

Mr. Edward Ferry, of Bel Air, Harford Co., Md., in a letter published in the monthly report of the Maryland State Weather Service, states that his clerk found that the weight of the snow on the platform scales at that place was 1,520 pounds (presumably on the morning of the 12th of April); the scale platform measured 7 feet 10 inches by 15 feet; this gives an average of 12.93 pounds to the square foot, and, if we assume that none of the snow melted, and so escaped being weighed, this would correspond to a depth of 2.4 inches of water. The average depth of snow lying on the ground at the end of the great snowstorm of April 10 and 11, in northern Maryland, varied from 15 to 30 inches in the different localities covered by newspaper reports, but the largest recorded by regular observers was 24 inches at Darlington and at Fallston, both in Harford County, at the head of Chesapeake Bay.

Although the above result may be rather crude, yet it suggests an excellent method of getting at the average quantity of precipitation in case the snow falls without melting and without much drifting. It also gives some idea of the weight that must be supported by roofs and walls in cases of similar heavy snowfalls.

#### THE BEAUFORT WIND SCALE AS USED AT SEA.

One of the best series of observations for the purpose of converting the 0 to 12 scale of Admiral Beaufort into wind velocities, as measured by anemometers, is that made in the years 1874-'76, on H. M. S. *Gazelle*, of the German Navy, under the command of Capt. von Schleinitz. During these years there were opportunities for measuring velocities as high as 11 of the Beaufort scale; 3,386 observations were recorded. The anemometer was a so-called portable instru-

ment made by Krafft; the diameter of the circle described by the cups was 29 centimeters, and it has been assumed that the Robinson anemometer factor, 3, holds good for this instrument. The estimated wind force, as recorded by the officers of the *Gazelle*, seems to accord very closely with the estimates by experienced observers on the German coast. The highest winds recorded in connection with the hurricane at Mauritius, April 29, 1892, and at Manila, October 20, 1882, were 50 and 54 meters per second, respectively, by large Robinson anemometers, for which the factor 3 is assumed, and, therefore, 50 is adopted as appropriate to the figure 12 on the Beaufort scale. The German naval ship *Elizabeth*, during 1877, in the northwest part of the Pacific Ocean, experienced four severe storms, and the results of 131 measurements give another set of conversions from the Beaufort to the absolute scale. The results of the observations on both the *Elizabeth* and the *Gazelle* are given in the following table:

Beaufort scale.	Meters per second.		Miles per hour.	
	Gazelle.	Elizabeth.	Gazelle.	Elizabeth.
0	0.0	0.0	0.0	0.0
1	1.0	1.5	2.2	3.4
2	2.0	3.0	4.5	6.7
3	4.0	4.5	8.9	10.1
4	6.0	7.0	13.4	15.7
5	8.0	8.5	17.9	19.0
6	10.5	10.5	23.5	23.5
7	13.0	13.5	29.1	30.2
8	16.0	16.5	35.8	36.9
9	20.0	20.0	44.7	44.7
10	25.0	25.0	55.9	55.9
11	32.5	.....	72.7	.....
12	(50.0)	.....	(111.8)	.....

#### METEOROLOGICAL TABLES.

[Prepared by the Division of Records and Meteorological Data.]

The following pages present in tabular form the climatological data for the current month, on which the text of the preceding part of this REVIEW has, to a large extent, been based.

For a detailed description of the methods of observation, compilation, and computation relating to these tables, the reader is referred to page 129 of the MONTHLY WEATHER REVIEW for March, 1894. The general contents of the tables are as follows:

Table I gives for 140 Weather Bureau stations, making two observations daily, and for 10 others making only one observation, the ordinary climatological data.

Table II gives for about 2,200 stations, occupied by voluntary observers, the mean and extreme temperatures and the total precipitation.

Table III gives for about 30 Canadian stations the climatological data.

Table IV gives for 36 Weather Bureau stations the percentages of sunshine for each hour of local mean time.

Table V gives for 79 stations the mean temperatures for each hour of seventy-fifth meridian time.

Table VI gives for 68 stations the mean pressures for each hour of seventy-fifth meridian time.

Table VII gives for 142 stations the mean hourly movement of the wind.

Table VIII gives for 68 stations the resultant movements and directions of the wind from continuous registrations.

Table IX gives for 140 stations the component and resultant directions based on simultaneous observations at 8 a. m. and 8 p. m., seventy-fifth meridian time.

TABLE I.—Climatological data for Weather Bureau Stations, April, 1894.

Districts and stations.	Elevation above sea-level, feet.	Length of record, years.	Pressure, in inches.	Temperature of the air, in degrees Fahrenheit.								Humidity and precipitation.				Wind.				Mean temperature data since opening of station.															
				Mean pressure, 8 a.m. and 8 p.m. + 2.		Mean reduced.		Departure from normal.		Mean max. and min. + 2.	Departure from normal.	Maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean maximum.	Mean relative humidity, per cent.	Precipitation, in inches.	Departure from normal.	Total movement, miles.	Prevailing direction.	Maximum velocity.	Cloudy days.	Average cloudiness, tenths.	Highest for month.	Lowest for month.	Year.							
				Mean.	Min.	Max.	Reduced.	Max.	Min.	Mean.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Miles per hour.	Direction.	Date.	Days with 0.1 or more.	Days with 0.1 or more.	Year.												
New England.																																			
Eastport	76	22	29.92	30.01	+ .12	39.0	- 0.4	63	27	45	15	3	33	22	30	73	2.90	- 0.4	2.11	- 1.3	12	9,791	ne.	51	ne.	8	4	14	12	6.7	42.0	1892	33.8	1874	
Portland	103	23	29.89	30.00	+ .08	43.2	- 1.6	75	28	51	19	3	36	27	33	70	2.55	- 0.4	6.826	n.	31	e.	11	11	3	16	6.1	48.8	1878	36.4	1874				
Northfield	872	8	29.09	30.04	+ .08	43.0	- 4.3	74	20	54	15	3	32	45	34	72	1.32	- 1.0	10	7,483	n.	36	ne.	9	11	3	13	5.7	43.4	1890	35.0	1888			
Boston	125	24	29.89	30.03	+ .10	47.0	- 1.9	79	27	54	23	3	40	32	35	87	3.78	+ 0.2	11	9,808	sw.	48	ne.	11	10	8	12	5.8	48.4	1892	37.0	1874			
Nantucket	14	8	30.01	30.02	+ .06	43.3	- 0.1	59	28	47	22	3	37	18	37	82	2.24	- 0.6	13	11,419	ne.	60	se.	11	10	9	11	6.0	46.2	1892	41.7	1893			
Wood Holl.	17	—	—	—	—	43.2	- 1.1	59	25	45	25	3	39	25	37	88	3.97	- 0.3	12	9,782	sw.	54	sw.	4	4	7	13	6.1	48.7	1878	38.2	1874			
Vineyard Haven	8	—	—	—	—	46.2	- 0.4	69	28	53	25	3	39	25	38	82	3.89	- 0.8	10	—	—	—	—	15	—	48.0	1892	44.5	1888						
Block Island	27	14	30.00	30.03	+ .08	43.5	- 0.3	79	25	51	25	3	38	26	38	78	2.47	- 0.8	10	—	—	—	—	11	3	16	6.0	45.2	1890	41.1	1888				
Narragansett Pier	13	—	—	—	—	44.1	- 0.1	70	28	51	12	12	37	26	38	78	2.24	- 1.5	11	7,811	s.	37	ne.	13	12	9	9	5.2	54.2	1878	40.0	1874			
New Haven	107	22	29.90	30.02	+ .05	47.3	- 1.5	75	28	55	23	3	39	31	39	78	2.24	- 1.5	11	6,283	sw.	54	sw.	4	4	7	13	6.1	48.7	1878	38.2	1874			
New London	45	24	30.00	30.05	+ .05	45.2	- 0.9	68	25	52	22	3	35	30	36	74	2.43	- 1.0	13	6,283	sw.	54	sw.	4	4	7	13	6.0	50.2	1878	39.9	1874			
Mid. Atlantic States.																																			
Albany	85	21	29.96	30.05	+ .09	48.4	- 1.7	75	27	57	22	3	40	33	36	65	2.02	- 0.6	13	6,719	n.	34	se.	4	10	8	12	5.9	51.5	1878	36.6	1874			
New York, N. Y.	185	24	29.84	30.04	+ .06	49.6	- 0.9	76	27	58	25	3	41	27	39	73	2.51	- 0.9	10	8,115	nw.	48	ne.	11	10	11	9	5.3	53.6	1871	41.3	1874			
Harrisburg	377	8	29.65	30.07	—	49.8	- 0.7	76	27	58	27	3	41	31	39	69	2.99	- 0.1	11	5,830	w.	30	ne.	5	12	5	13	5.3	54.8	1871	48.5	1892			
Philadelphia	117	24	29.92	30.05	+ .06	51.5	- 0.9	77	28	58	27	3	43	26	38	66	2.62	- 0.6	11	9,745	n.	43	ne.	11	13	7	10	5.0	57.1	1871	42.6	1874			
Atlantic City	53	21	30.00	30.04	+ .07	47.6	- 0.5	68	28	54	26	3	42	22	41	82	1.71	- 1.6	10	9,520	sw.	49	e.	11	12	8	10	5.3	54.3	1878	42.4	1875			
New Brunswick	—	—	—	—	—	49.1	- 0.2	76	27	59	20	3	39	36	36	82	2.87	- 0.6	12	—	—	—	—	4	16	10	10	5.0	56.8	1878	40.0	1874			
Baltimore	179	24	29.85	30.05	+ .05	52.4	- 0.7	79	28	60	30	3	44	29	37	60	3.80	- 0.5	12	6,351	nw.	38	sw.	5	11	11	11	8	4.6	58.8	1871	46.9	1874		
Washington, D. C.	112	24	29.95	30.07	+ .08	53.2	- 0.4	83	26	62	30	3	44	33	39	63	3.34	- 0.2	11	6,283	nw.	34	nw.	5	15	7	8	4.4	54.5	1871	47.6	1874			
Cape Henry	—	—	—	—	—	54.4	- 0.6	79	27	62	36	3	43	28	32	64	1.76	- 2.7	7	—	—	—	—	14	8	8	8	5.0	59.2	1893	51.1	1875			
Lynchburg	685	23	29.35	30.09	+ .09	55.6	- 0.2	83	26	57	27	3	45	37	41	61	1.64	- 1.6	11	3,951	nw.	26	sw.	28	10	13	7	5	51.1	61.5	1876	50.6	1874		
Norfolk	57	24	30.01	30.08	+ .08	64.9	- 0.2	80	28	64	37	11	47	28	48	80	2.11	- 2.4	12	7,264	nw.	36	nw.	28	16	9	9	5.3	62.5	1871	52.3	*			
S. Atlantic States.																																			
Charlotte	773	16	29.25	30.07	+ .06	59.0	- 0.2	86	17	70	35	12	49	30	41	56	2.43	- 1.3	8	5,800	sw.	30	sw.	7	19	7	4	3.6	63.2	1888	55.7	1881			
Hatteras	11	14	30.09	30.10	+ .10	57.8	- 0.5	72	28	63	40	12	52	22	50	75	1.32	- 3.5	11	10,628	sw.	40	nw.	23	18	8	8	4.5	59.4	1871	52.8	1881			
Kittyhawk	9	20	30.06	30.07	+ .08	54.4	- 0.4	80	28	61	37	12	48	23	47	76	1.17	- 3.8	11	6,100	ne.	46	se.	10	14	8	8	4.5	60.8	1890	50.9	1875			
Raleigh	388	8	29.67	30.09	—	58.4	- 0.9	86	28	69	34	3	48	32	44	63	1.74	- 0.8	8	5,357	nw.	26	nw.	5	13	7	10	4.8	62.2	1893	57.2	*			
Southport	34	19	30.07	30.10	—	60.0	- 0.1	75	29	70	41	13	53	28	52	76	0.84	- 2.1	6	5,302	sw.	35	w.	10	15	11	4	3.7	63.7	1881	56.4	1881			
Wilmington	78	24	30.02	30.10	—	61.0	- 0.3	84	28	70	41	13	53	28	52	76	0.78	- 2.4	8	7,387	sw.	32	s.	10	16	7	7	3.6	65.8	1893	57.6	1881			
Charleston	52	24	30.06	30.11	+ .08	64.7	- 0.5	86	29	72	44	13	53	28	52	77	0.53	- 3.5	9	5,758	sw.	31	ne.	30	11	12	18	1.0	60.8	1893	61.4	1891			
Columbia	7	—	—	—	—	63.6	- 0.6	92	29	75	38	11	52	31	31	89	1.37	- 1.0	—	—	—	—	—	13	12	5	5	6.0	64.4	1893	61.1	1891			
Augusta	209	23	29.89	30.12	+ .09	64.0	- 0.2	90	29	75	40	13	53	34	47	60	2.17	- 1.0	9	4,831	se.	33	w.	11	19	7	5	3.1	68.0	1893	60.6	1875			
Savannah	98	24	30.00	30.11	+ .07	66.3	- 0.2	92	29	76	44	13	57	26	54	73	0.64	- 3.2	9	5,517	sw.	29	sw.	10	16	9	5	4.3	70.0	1893	62.5	1875			
Jacksonville	43	23	30.06	30.11	+ .07	68.6	- 0.2	85	9	78	48	13	59	28	55	69	0.83	- 2.3	4	5,684	se.	27	sw.	21	10	16	4	4.5	72.6	1893	66.5	*			
Florida Peninsula.						68.8	- 1.7	79	* 7	75	38	11	64	15	45	65	1.63	- 0.5	6	—	—	—	—	19	5	—	—	—	—	—	—	—	—	—	—
Jupiter	28	7	30.06	30.09	—	71.9	- 1.9	84	21	79	55	12	65	29	64	78	0.74	- 1.9	3	7,051	se.	27	ne.	6	19	10	1	3.7	74.0	1893	70.6	1880			
Key West	22	24	30.08	30.10	+ .06	70.6	- 0.6	86	27	81	51	1	72	11	64	69	0.03	- 1.3	11	5,050	e.	33	ne.	6	22	6	2	2.7	79.2	1893	73.2	1891			
Tampa	36	—	30.06	30.10	—	71.8	- 0.8	89	28	82	51	7	62	27	61	76	1.36	—	4	4,762	ne.	20	ne.	6	10	19</									

TABLE I.—*Climatological data for Weather Bureau Stations, April, 1894—Continued.*

Districts and stations.	Elevation above sea-level, feet.		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.						Humidity and precipitation.				Wind.			Mean temperature data since opening of station.														
	Length of record, years.	Mean pressure 8 a.m. and 8 p.m. + 2.	Mean reduced.		Departure from normal.		Mean max. and min. + 2.		Departure from normal.		Maximum.		Minimum.		Greatest daily range.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.	Total movement, miles.	Clear days.	Cloudy days.	Average cloudiness, tenths.	Highest for month.	Lowest for month.	Year.							
			Date.	Mean maximum.	Mean minimum.	Date.	Mean maximum.	Mean minimum.	Date.	Mean maximum.	Mean minimum.	Date.	Mean maximum.	Mean minimum.	Date.	Mean maximum.	Mean minimum.	Days with 0.1 or more.	Miles per hour.	Date.	Prevailing direction.	Maximum velocity.										
<i>Up. Miss. Val.—Con.</i>																																
Davenport	613	23	29.31	29.98	+ .00	53.0	+ 3.6	87	28	62	30	1	44	27	41	68	1.37	+ 1.4	7	8,114	e.	48	s.	17	3	14	6-7	54-7	1878	41-2	1874	
Des Moines	869	16	29.02	29.96	+ .00	53.0	+ 2.6	87	28	62	28	1	44	33	39	64	1.70	+ 0.9	12	7,476	se.	37	w.	3	8	17	5-4	53-0	1894	43-4	1881	
Dubuque	651	21	29.27	29.97	+ .02	51.8	+ 3.4	84	28	61	29	2	43	28	42	74	2.27	+ 0.6	14	4,306	se.	28	w.	3	4	12	5-7	53-6	1878	41-3	1874	
Kokomo	613	23	29.32	29.98	+ .02	53.8	+ 1.7	83	29	63	29	2	44	33	41	65	2.75	+ 0.1	10	7,004	e.	42	n.w.	4	10	9	11	5-4	57-5	1878	44-0	1874
Cairo	359	23	29.04	30.02	+ .05	59.4	+ 0.8	87	29	68	36	10	50	31	48	69	2.54	+ 1.4	9	6,692	s.	48	sw.	18	12	10	8-5	64-1	1878	52-0	1874	
Springfield, Ill.	644	15	29.31	30.01	+ .02	54.0	+ 0.9	86	29	65	32	12	44	31	41	66	3.36	+ 0.3	9	7,911	s.	40	sw.	10	12	12	6-3	56-1	1880	47-9	1881	
Hannibal	534	—	29.41	29.99	+ .04	55.0	+ 0.9	87	29	65	32	12	45	39	42	66	1.74	+ 0.3	10	8,070	e.	38	w.	4	8	10	12	5-9	59-1	1878	47-9	1881
Saint Louis <i>Missouri Valley</i>	571	24	29.39	30.01	+ .04	57.8	+ 1.1	88	29	66	34	11	49	29	43	62	2.68	+ 0.6	6	7,873	se.	49	sw.	4	14	5	11	4-6	61-1	1878	47-6	1874
Columbia	—	—	—	—	—	84.2	+ 2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Kansas City	963	6	28.94	29.97	+ .01	57.1	+ 2.6	87	28	67	34	11	45	41	—	—	2.02	+ 0.1	11	6,589	se.	30	n.w.	10	10	7	13	5-8	57-3	1894	52-5	1892
Springfield, Mo.	1,350	9	28.55	29.98	+ .00	57.8	+ 0.7	87	28	68	34	22	48	32	41	60	4.16	+ 0.0	10	8,344	se.	38	n.w.	19	12	8	10	4-7	59-0	1880	54-8	1892
Topeka	—	7	—	—	—	58.5	+ 3.2	87	28	71	32	5	46	39	—	—	2.94	+ 0.6	12	—	—	—	—	9	16	5-5	58-5	1894	52-5	1892		
Omaha	1,123	23	28.76	29.96	+ .02	54.0	+ 2.6	89	28	64	29	5	44	32	39	65	2.31	+ 0.8	8	6,988	s.	32	e.	8	10	9	11	5-3	55-2	1890	44-4	1881
Valencia	2,613	9	27.18	29.93	+ .08	49.2	+ 2.5	88	28	62	19	5	36	43	33	62	2.00	+ 0.2	12	10,920	n.	52	n.w.	19	14	9	12	6-4	51-8	1880	42-0	1893
Sioux City	1,165	—	28.67	29.92	+ .04	51.6	+ 0.8	87	28	62	24	1	42	35	35	66	2.79	+ 0.3	13	9,578	s.	46	re.	8	10	6	12	5-8	59-1	1880	54-6	1892
Pierre	1,470	—	28.33	29.90	+ .03	50.0	+ 0.8	87	28	61	24	1	39	38	38	61	1.56	+ 0.2	10	10,310	se.	48	w.	2	8	13	6	5-1	47-8	1880	33-9	1873
Huron	1,310	13	28.51	29.92	+ .06	48.2	+ 2.4	85	28	60	22	10	36	42	37	73	2.84	+ 0.4	13	11,989	se.	64	n.w.	3	5	10	15	6-4	48-2	1894	40-4	1893
<i>Northern Slope.</i>						57.3	+ 1.6	87	28	62	21	9	35	46	33	58	2.08	+ 0.6	8	9,001	n.w.	46	n.w.	19	12	13	5	4-7	52-1	1888	42-0	1875
Harve	2,477	14	27.27	29.89	+ .08	46.3	+ 1.9	78	21	58	20	12	34	45	29	58	2.23	+ 1.4	10	7,629	sw.	44	n.w.	2	6	18	6	5-7	50-4	1880	36-8	1893
Miles City t	2,374	17	27.39	29.89	+ .08	48.6	+ 2.0	76	21	59	27	18	35	38	33	61	1.44	+ 0.3	11	6,194	se.	39	n.w.	2	5	16	9	5-8	54-3	1879	40-7	1884
Helena	4,118	15	25.80	30.03	+ .03	45.2	+ 0.3	72	21	54	20	17	36	34	25	50	0.82	+ 0.3	10	7,087	s.	42	sw.	26	7	16	7	5-1	49-2	1880	36-8	1890
Rapid City	3,280	9	26.54	29.93	+ .08	48.4	+ 3.0	77	23	60	22	9	37	41	33	62	4.24	+ 2.2	21	11,816	n.	48	n.w.	19	7	14	9	6-0	49-8	1880	40-1	1893
Heyenne	6,105	24	23.93	29.98	+ .04	44.0	+ 0.9	73	26	57	16	5	31	41	30	64	1.61	+ 0.2	7	10,427	n.w.	50	n.w.	2	11	13	6	5-1	47-8	1880	33-9	1873
Lander	5,377	—	24.58	30.00	+ .04	43.6	+ 1.8	75	21	58	18	5	29	41	21	63	0.75	+ 0.2	7	4,531	w.	48	w.	2	8	13	6	5-0	50-1	1880	33-9	1873
North Platte	2,841	20	27.00	29.90	+ .02	51.1	+ 1.8	85	28	64	21	9	35	46	33	58	1.62	+ 0.2	8	9,001	n.w.	46	n.w.	19	12	13	5	4-7	52-1	1888	42-0	1875
<i>Middle Slope.</i>						62.6	+ 2.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Colorado Springs	6,098	15	23.95	29.98	+ .00	45.8	+ 0.1	75	26	60	17	9	32	42	19	41	0.25	+ 1.6	4	8,755	n.	52	n.	30	14	10	6	3-9	51-5	1888	38-5	1874
Denver	5,287	23	24.68	29.97	+ .01	49.6	+ 1.5	80	26	63	23	4	35	37	24	62	3.30	+ 1.2	6	6,562	s.	42	n.w.	2	13	11	6	4-4	53-2	1888	39-7	1873
Pikes Peak	—	17	17.67	—	—	15.6	+ 0.3	88	26	62	—	5	9	21	6	68	2.45	+ 0.6	6	18,394	w.	104	sw.	29	12	9	5-2	50-2	1888	7-8	1874	
Pueblo	4,734	6	25.17	29.93	+ .04	52.0	+ 2.6	83	26	68	22	4	35	48	15	33	2.01	+ 0.4	9	7,599	s.	36	se.	30	9	16	5-4	57-3	1894	51-0	1893	
Concordia	1,410	9	28.44	29.94	+ .09	57.3	+ 4.2	88	28	71	28	10	44	48	41	64	2.91	+ 0.4	9	7,578	s.	47	n.e.	30	8	15	8	4-0	57-3	1894	51-0	1893
Dodge City	2,523	20	27.31	29.93	+ .01	57.0	+ 3.5	86	27	72	30	4	44	44	33	51	1.88	+ 0.2	7	10,693	s.	52	n.w.	35	8	26	9	1-3	57-0	1894	48-5	1875
Wichita	1,366	6	25.50	29.95	+ .04	60.0	+ 0.6	85	18	56	37	5	47	39	41	57	3.33	+ 0.2	6	8,256	s.	40	n.w.	38	10	16	10	4-5	60-0	1894	54-6	1892
Oklahoma City	1,239	—	28.67	29.97	+ .04	62.9	+ 0.5	85	8	74	38	10	52	40	46	62	2.82	+ 0.2	8	8,314	s.	42	n.	3	18	9	3	3-4	50-0	1894	54-6	1892
<i>Southern Plateau.</i>						68.6	+ 4.5	95	23	80	47	*	57	34	45	50	1.23	+ 3.2	7	8,685	se.	31	sw.	30	11	17	2	3-9	69-8	1893	61-5	1886
Abilene	1,749	9	28.14	29.94	+ .02	68.6	+ 4.5	95	23	80	47	*	57	34	45	50	0.85	+ 0.2	6	13,490	s.	24	n.	31	10	17	2	3-9	69-8	1893	61-5	1886
Amarillo	3,691	—	26.19	29.93	+ .04	68.6	+ 0.6	85	28	69	34	1	47	37	35	50	0.87	+ 0.0	6	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Southern Plateau.</i>						65.6	+ 0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
El Paso	3,756	16	26.15	29.95	+ .02	65.6	+ 1.3	88	26	79	42	18	52	39	8	15	0.01	+ 0.2	1	8,599	n.w.	50	n.w.	17	16	10	4	3-1	67-8</			

TABLE II.—*Meteorological record of voluntary and other co-operating observers, April, 1894.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Alabama.	o	o	o	Ins.	Arkansas.	o	o	o	Ins.
Aleo.	89	35	67.4	...	Arkadelphia.	o	o	o	7.81
Auburn.	86	39	64.6	2.38	Arkansas City.	...	...	...	...
Bermuda *†.	93	41	67.2	3.05	Ashdown.	88	39	64.6	7.71
Birmingham.	82°	49°	65.6°	4.48	Bee Branch.	87	35	61.0	2.20
Brewton.	90	38	66.4	2.25	Blanchard Springs.	87	35	65.8	8.66
Carrollton *†.	84	44	63.8	4.36	Brinkley.	89	38	62.4	5.34
Citronelle.	85	52	69.4	4.23	Camden.	7.22	...	...	...
Claiborne Landing.	...	...	5.02	...	Camden b.	88	37	65.4	7.77
Clanton.	88	39	63.4	4.81	Cassville.	81	41	58.6	7.47
Cordova.	...	...	6.03	...	Conway.	87	42	62.3	1.29
Daphne.	80	48	70.2	3.09	Cornerstone.	86°	50	65.0	6.02
Demopolis.	...	...	3.30	...	Corning.	91	34	59.2	2.66
Elba *†.	86	50	69.0	3.13	Dallas.	87	41*	62.0	9.93
Eufaula a†.	90	42	67.8	2.67	Dardanelle.	89	38	62.3	5.27
Eufaula c†.	...	...	2.74	...	Fayetteville.	89	35	61.2	3.31
Florence.	...	...	2.58	...	Forrest.	91	38	64.6	5.63
Florence b†.	89	34	61.8	2.73	Fulton.	...	...	...	...
Fort Deposit.	90	43	67.2	5.37	Gaines Landing.	...	...	...	...
Gadsden.	91	34	63.6	3.94	Hamburg.	88	38	64.7	7.66
Geneva.	89	32	67.6	6.15	Helena a†.	...	...	...	...
Greensboro.	88	43	64.9	3.32	Helena b†.	91	40	64.0	6.07
Healing Springs.	88	37	63.9	1.91	Hot Springs a.	89	40	63.6	8.45
Highland Home.	87	43	66.3	4.29	Hot Springs b.	...	...	...	...
Livingston.	...	...	4.59	...	Hot Springs (near).	91	38	60.5	10.44
Madison Station.	90	36	64.4	3.05	Keesees Ferry.	91	29	60.5	3.85
Maple Grove.	89	32	62.6	3.28	Kirby.	86	40	66.4	11.25
Marion.	88	46	65.0	2.87	Lonoke.	88	42	65.4	5.13
Montevallo.	92	38	66.2	3.73	Madding.	...	...	...	...
Mount Willing.	89	43	67.5	4.90	Malvern.	85	38	61.9	5.85
Newbern.	90	43	65.4	2.57	Mount Isa.	86	34	62.2	7.43
Newburg.	91	31	61.3	4.37	Mount Nebo.	83	37	64.2	5.93
Newton.	89	44	60.0	5.21	New Gascony.	86	50	65.6	6.02
Opelika.	92	46	69.4	0.48	Newport c†.	86	37	61.0	3.93
Ozanna *†.	86	36	62.7	4.90	Oseola.	88	37	61.2	5.95
Pine Apple.	90	32	65.2	2.24	Ozark.	91	40	63.8	10.49
Pushmataha.	86	46	67.9	5.08	Potanontas.	83	30	60.4	2.63
Rock Mills.	87	37	63.2	3.81	Rison.	83	36	64.2	9.23
Scottsboro.	87	34	60.5	3.00	Rogers.	88	...	2.93	...
Selma.	...	...	2.82	...	Russellville.	90	38	63.2	5.34
Starlington *†.	90	40	66.6	4.50	Searcy.	88	36	62.0	4.25
Sturdevant.	...	...	1.52	...	Stuttgart.	87	43	64.0	7.42
Talladega b†.	90	38	63.0	3.10	Texarkana.	87	40	67.8	7.01
Tallassee Falls *†.	...	...	2.43	...	Warm Springs.	94	44	60.8	1.90
Tuscaloosa.	92	38	63.6	4.46	Washington.	85	42	65.3	6.45
Union.	98°	42°	68.8°	4.14	Winslow.	82	35	59.6	4.85
Union Springs a†.	92	40	65.6	4.28	California.	...	...	...	...
Uniontown.	88	36	67.2	3.80	Adin.	74	23	46.6	0.83
Valley Head.	86	32	59.4	3.04	Ager.	86	26	53.3	0.00
Warrior.	...	...	3.80	...	Agnew.	87	35	50.4	0.33
Wetumpka.	...	...	1.79	...	Anaheim.	81	50	61.1	1.13
Wilsonville.	...	...	3-II	...	Anderson.	86	38	56.5	0.61
Alaska.	...	...	...	...	Antioch.	87	46	63.5	0.28
Killiano.	52	19	34.2	4.20	Apots.	80	36	55.8	0.89
Metlakatla.	56	24	39.2	10.56	Arlington Heights.	90	34	60.5	0.02
Arizona.	...	...	...	...	Athline.	95	44	62.8	0.37
Antelope Valley.	...	...	0.00	...	Auburn.	85	40	61.6	1.35
Arizona Canal Co. Dam.	93	43	71.1	0.00	Bakersfield.	89	43	66.4	0.00
Benson.	89	57	70.7	0.00	Ballast Point L. H.	...	...	...	...
Bisbee *†.	80°	33°	60.0°	0.00	Barstow.	90	37	64.0	0.00
Buckeye.	98	35	66.9	0.00	Beaumont.	90	38	65.4	0.32
Calabasas.	86	30	59.7	0.08	Belmont.	85	47	58.7	0.00
Casa Grande *†.	91	55	72.0	0.00	Berendo.	95	50	67.5	0.10
Dragoon.	...	...	0.00	...	Berkeley.	88	40	55.6	0.57
Dragoon Summit *†.	86	40	67.6	0.00	Bethany.	86	42	60.4	1.03
Dudleyville.	93	37	65.5	T.	Bishop Creek.	91	38	65.0	0.05
Eagle Pass *†.	36	53.8	0.35	Boaca.	...	...	...	...	
Fairleys Camp.	...	...	0.25	...	Boca.	75	15	41.3	1.00
Flagstaff.	74	21	47.5	0.33	Borden.	90	44	63.5	0.08
Fort Apache.	82	24	53.4	0.19	Boulder Creek.	88	39	59.7	2.44
Fort Bowie.	83	37	63.1	0.01	Brentwood.	90	40	60.7	0.12
Fort Grant.	85	29	58.4	0.13	Brighton.	85	40	63.9	0.10
Fort Huachuca.	84	34	58.9	0.00	Bryson.	86	44	60.7	0.10
Gila Bend.	98	54	73.1	0.00	Caliente.	90	45	65.5	0.20
Globe.	90	39	65.4	0.01	Calistoga.	88	41	59.7	2.45
Holbrook.	83	26	54.2	0.57	Campo Seco.	...	...	...	...
Keams Canyon.	76	19	49.3	0.22	C. Mendocino L. H.	...	...	...	...
Maricopa.	100	64	77.5	0.00	Capitolia.	82	44	57.5	...
Mount Huachuca.	83	32	60.4	0.00	Castroville.	72	43	55.4	0.40
Natural Bridge.	...	...	T.	...	Centererville.	89	54	59.4	0.00
Nogales *†.	89	49	72.6	0.00	Chico.	88	36	60.1	0.00
Oracle.	83	38	62.2	0.03	Chino.	90	44	60.4	0.00
Palomas.	96	34	68.0	0.00	Cisco.	52	21	37.2	...
Pantano *†.	86	38	61.9	0.00	Claremont.	91	31	56.8	0.33
Peoria.	91	45°	67.6	0.00	Cloverdale.	87	36	62.0	1.91
Phoenix a†.	96	34	66.4	0.00	Colegrave.	...	...	...	...
Phoenix b†.	94	42	68.2	0.00	Colfax.	93	32	55.9	...
Red Rock *†.	99	45	79.4	0.00	Colton.	90	44	65.1	0.10
Reymert.	87	40	65.8	0.00	Colusa.	86	33	60.8	0.20
Rye.	92	32	67.4	0.00	Corning.	98	44	64.9	0.40
St. Helena R.H.	84	33	62.0	T.	Crescent City.	64	32	48.2	4.41
San Carlos.	93	31	63.4	0.11	Crofton.	87	45	64.4	4.35
San Simon.	93	44	65.3	0.00	Dalton.	87	45	64.4	0.20
Show Low.	...	...	0.80	...	Davisville.	82	40	59.9	0.30
Signal.	95	37	66.2	0.00	Davisville.	97	41	67.5	0.29
Texas Hill.	102	57	75.9	0.00	Deep Creek.	...	...	...	...
Tucson a†.	92	38	66.9	0.00	Delano.	90	50	66.8	2.75
Tucson b *†.	89	55	76.3	0.00	Delta.	89	38	63.0	...
Walnut Ranch.	80	41	58.0	0.00	Deniba.	98	50	68.8	0.00
Whipple Barracks.	85	15	51.0	0.00	Diamond.	98	50	68.8	0.00
Wilcox *†.	82	35	59.5	0.00	Downey.	88	50	61.8	0.20
Yuma *†.	100	54	78.2	0.00	Dry Creek.	88	42	58.0	0.00

TABLE II.—*Meteorological record of voluntary and other co-operating observers. &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean			Max.	Min.	Mean	
California—Cont'd.	o	o	o	Ins.	California—Cont'd.	o	o	o	Ins.	California—Cont'd.	o	o	o	Ins.
Dunsmuir *†.	81	32	54.0	1.70	East Brother L. H.	74	33	50.0	0.15	East Brother L. H.	84	41	58.1	0.04
Edgewood.	87	22	43.3	3.94	Edmonston *†.	87	41	60.8	1.03	Edmonston *†.	95	46	72.3	0.00
Eldorado *†.	87	22	43.3	0.57	Elkano.	84	36	56.6	0.08	Elkano.	77	27	51.9	2.17
Elmira.	87	42	64.9	0.57	El Verano.	84	41	59.0	1.16	El Verano.	87	44	60.4	0.45
Emigrant Gap.	59	24	42.8	2.62	Emigrant Gap.	59	24	42.8	2.62	Emigrant Gap.	87	40	62.7	1.22
Esparito *†.	91	48	62.3	0.56	Evergreen.	...	...	...	...	Evergreen.	92	42	61.0	0.15
Fairfax.	...	...	...	...	Fayeville.	...	...	...	...	Fayeville.	91	57	69.3	T.
Farmington.	82	43	62.0	0.54	Felton.	96	34	58.1	1.54	Felton.	86	32	50.2	0.19
Fernando.	88	43	62.4	0.50	Fresno.	88	36	57.5	0.24	Fresno.	86	30	51.6	0.33
Fruito.	85	43	62.4	0.50	Gates.	87	40	59.7	0.61	Gates.	87	38	56.2	0.58
Gilroy.	85	40	59.0	0.59	Georgetown.	79	31	53.5	2.40	Georgetown.	88	37	56.2	0.53
Gilroy.	80	43	61.0	0.55	Gilroy.	80	43	61.0	0.55	Gilroy.	88	39	54.5	0.30
Glen Ellen.	87	40	59.1	2.03	Goshen.	92	42	68.6	0.00	Goshen.				

*Meteorological record of voluntary observers, &c.—Continued.*

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Prep'n.	Stations.	Temperature. (Fahrenheit.)			Prep'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
<i>Georgia—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Indiana.</i>	°	°	°	<i>Ins.</i>
Hephzibah *† <sup>3</sup>	82	42	61.0	4-16	Angola * <sup>1</sup>	85	27	50.0	1.90
Lafayette †	87	33	60.0	2-25	Ashboro †	87	33	54.5	2.00
Lagrange †	88	37	63.8	2-41	Bedford †	87	30	53.9	3.15
Lawrenceville †	85	.....	.....	1-49	Butterville †	86	28	53.7	2.27
Levener †	85	34	59.9	1-96	Cambridge City †	82 <sup>a</sup>	30 <sup>c</sup>	51.7	1.93
Macon b †	.....	.....	.....	1-29	Columbus City * <sup>1</sup>	83	29	49.5	3.42
Marietta †	88	34	60.2	1-92	Columbus †	86	28	53.8	2.34
Marshallville †	87	45	66.4	2-57	Connerville †	83	29	52.3	1.78
Millen †	93	34	65.0	1-09	Degonia Springs * <sup>6</sup>	86	33	56.4	4.75
Monticello *† <sup>1</sup>	82	44	65.6	1-90	Delphi †	85	24	50.0	2.68
Morgan †	89	40	66.3	4-73	Evansville †	.....	.....	.....	4-10
Piscola †	90	47	68.4	3-99	Farmington †	83	28	52.4	1.95
Poin Peter * <sup>1</sup>	88	36	62.2	2-90	Franklin * <sup>1</sup>	85	33	53.7	2.87
Poulain †	89	38	65.8	3-00	Hammond †	88	28	51.8	2.00
Ramsey †	89	32	59.6	2-92	Hawpatch †	82	23	48.3	3.77
Resaca †	.....	.....	.....	2-62	Huntingburg *† <sup>1</sup>	88	39	57.5	5.40
Reynolds †	.....	.....	.....	2-08	Huntington †	84	30	52.5	3.20
Rome †	87	36	60.9	2-84	Jasper †	87	28	55.6	3.41
Talbotton †	85	37	64.0	1-35	Jeffersonville †	87	32	55.5	3.83
Thomasville †	89	43	67.6	3-72	Kokomo †	88	28	54.5	3.31
Toccoa †	89	34	60.6	2-61	Laconia †	86	30	54.3	3.10
Washington †	89	38	63.3	1-42	Lafayette †	86	25	52.5	2.56
West Point †	90	37	64.8	2-28	Logansport a †	.....	.....	.....	4-92
Whitesburg †	.....	.....	.....	2-94	Logansport b †	85	29	53.2	3.68
<i>Idaho.</i>	.....	.....	.....	.....	Madison †	88	32	55.6	3.01
American Falls †	77	25	45.0	1-40	Mareno * <sup>1</sup>	91	30	55.7	7.70
Atlanta †	48	12	31.6	3-30	Marion †	86	26	52.5	2.48
Boise Barracks	84	26	51.0	1-26	Markle †	84	24	50.5	2.76
Egin †	70	21	42.2	1-55	Mauzy †	84	26	50.8	2.00
Fort Lemhi †	75	18	46.2	1-89	Mount Vernon †	90	31	55.5	3.80
Fort Sherman †	76	26	45.4	2-50	Muncie †	85 <sup>a</sup>	33 <sup>c</sup>	53.5	3.55
Garden Valley *† <sup>1</sup>	72	24	44.6	2-26	New Albany *† <sup>1</sup>	85	35	56.7	3.04
Grangeville †	70	26	43.6	3-55	Plymouth †	86	28	51.6	2.23
Hailey †	72	16	41.4	1-07	Princeton *† <sup>1</sup>	91	31	54.8	4.20
Idaho City †	79	16	44.4	3-33	Rockville †	88	26	53.4	2.66
Kootenai †	72	22	42.6	0.45	Rushville †	.....	.....	.....	2.09
Lake †	64	6	36.6	0.95	Seymour †	86	32	54.9	2.51
Lewiston †	83	27	52.8	0.88	Shelbyville †	86 <sup>a</sup>	31 <sup>c</sup>	54.3	2.24
Martin †	67	18	39.1	1-75	South Bend †	82	28	50.4	3.57
Moscow †	76	25	46.6	1-38	Terre Haute †	90	32	55.8	2.11
Murray †	72	21	41.2	3-49	Union City †	87	26	51.8	1.08
Nampa	83	22	49.0	1-84	Valparaiso †	83	25	47.6	2.70
Oakley †	80	20	46.4	0.96	Vevay †	86	32	55.4	2.54
Paris †	71	21	42.2	1-35	Vincennes †	94	32	56.6	3.39
Payette †	87	22	51.5	1-34	Worthington †	89	28	55.2	2.81
Preston *† <sup>3</sup>	72	23	42.8	.....	<i>Indian Territory.</i>	.....	.....	.....	7.92
Salubria †	82	23	49.6	2-17	Eufaula †	.....	.....	.....	7.92
Soldier †	69	10	36.5	1-08	Gwenndale †	89	30	56.4	5.34
<i>Illinois.</i>	.....	.....	.....	.....	Healdton †	88	40	56.8	4.56
Albion †	88	31	56.0	3-09	Kemp †	90	39	57.2	4.52
Atwood * <sup>3</sup>	26	48.7	2-84	Lehigh †	88	34	56.2	4.68	
Aurora †	86	25	50.3	2-49	Purell †	89	32	56.6	3.79
Beardstown †	.....	.....	.....	Tahlequah †	90	38	54.0	3.04	
Bloomington †	91	27	54.4	2-53	Tulsa †	.....	.....	.....	4-80
Braidwood †	89	30	53.2	2-23	<i>Iowa.</i>	.....	.....	.....	.....
Bushnell †	90	27	53.9	2-46	Albia †	90	26	54.8	1.37
Carlville †	90	27	56.4	3-12	Algona * <sup>1</sup>	77	28	49.7	4.81
Carlyle	.....	.....	.....	Alta †	80	20	49.4	3.59	
Carlton †	87	33	55.8	2-02	Amana †	87	25	52.0	2.55
Cheungin †	85	24	49.3	3-34	Ames b	83	18	50.3	4.25
Chester f	.....	.....	.....	Ames c	.....	.....	.....	4.28	
Decatur †	94	23	55.0	3-06	Atlantic †	92	18	52.9	1.52
Dixon †	85	23	51.4	2-04	Audubon †	87	22	51.8	2.32
East Peoria †	90 <sup>a</sup>	26 <sup>a</sup>	53.4 <sup>a</sup>	2-01	Belle Plaine †	87	24	52.1	2.04
Effingham †	88	27	53.4	3-27	Bonaparte †	89	28	53.1	2.83
Evanson * <sup>10</sup>	86	30	45.5	3-27	Carroll †	85	18	49.9	2.80
Fort Sheridan †	83	26	40.9	4-70	Cedar Falls †	82	23	51.8	2.07
Galva †	91	26	54.2	1-71	Cedar Rapids †	84	28	53.2	2.65
Golconda †	89	34	58.6	3-73	Centerville †	89	34	59.2	2.30
Grafton †	.....	.....	.....	Charles City †	78	25	52.9	4.28	
Greenville †	90	30	56.0	3-52	Clarinda †	86	28	53.3	2.06
Griggsville †	88	32	55.5	2-85	Clinton †	88	24	52.7	1.92
Halliday * <sup>3</sup>	86 <sup>a</sup>	41 <sup>a</sup>	56.2 <sup>a</sup>	3-75	College Springs	90	27	54.2	1.50
Havana †	89	33	56.2	1-68	Corning †	88	24	52.9	1.29
Herrins Prairie * <sup>1</sup>	84	38	59.0	1-60	Cresco †	78	24	48.7	3.21
Jordans Grove †	87	31	56.8	3-93	Decorah †	79	22	50.1	3.64
Kankakee †	.....	.....	.....	Delaware * <sup>3</sup>	81	28	48.8	2.88	
Louisville †	87	31	55.2	3-20	Elkader †	82	22	50.9	4.16
McLeanaboro * <sup>1</sup>	93	34	55.4	3-38	Emmettsburg	.....	.....	.....	3.93
Martinsville †	86	32	54.4	3-72	Fayette †	80	27	50.7	3.78
Mascoutah * <sup>5</sup>	92	28	55.7	3-50	Forest City †	78	12	45.2	4.52
Mattoon * <sup>1</sup>	87	38	55.2	1-81	Fort Madison *† <sup>1</sup>	90	32	56.0	1.98
Monmouth †	90	29	53.4	2-10	Galva †	94	19	50.5	3.09
Mount Carmel †	.....	.....	.....	Glenwood †	92	26	56.2	3.05	
Mount Pulaski	89	28	54.9	2-60	Grand Meadow * <sup>1</sup>	76	30	49.6	4.36
Olney a * <sup>1</sup>	89	29	57.0	2.80	Greenfield †	93	24	53.3	2.73
Olney b * <sup>1</sup>	92	25	52.1	3-68	Grinnell †	85	30	52.6	2.51
Oswego * <sup>1</sup>	85	27	48.0	2-82	Grundy Center	82	25	50.0	3.31
Ottawa †	90	26	52.2	1-51	Hampton †	79	24	49.2	6.98
Paris †	88	25	54.5	2-17	Hawkeye	.....	.....	.....	2.89
Peoria a †	.....	.....	.....	Hopeville †	87	25	53.1	1.60	
Peoriab	92	32	56.0	2-22	Hopkinson * <sup>5</sup>	84	33	52.0	2.70
Philo †	87	26	52.4	3-63	Humboldt †	.....	.....	.....	6.24
Rantoul *† <sup>5</sup>	89	30	53.8	3-58	Independence †	81	25	49.9	2.44
Riley †	82	26	48.0	2-02	Indianola †	88	26	53.9	1.79
Rushville	95	33	55.0	3-11	Iowa City †	86	27	52.6	2.72
St. John * <sup>3</sup>	88	36	55.2	2-62	Iowa Falls †	80	21	48.1	4.33
South Chicago * <sup>10</sup>	84	30	49.0	.....	Larrabee †	82	19	50.8	4.30
Streator †	75	29	52.2	1-03	Le Claire †	.....	.....	.....	1.23
Sycamore *† <sup>1</sup>	81	29	52.0	2-87	Logan †	91	22	54.3	1.88
Tuscola *† <sup>1</sup>	88	30	51.6	3-32	Mason City † <sup>b</sup>	79	28	52.6	5.15
Walnut †	92	27	51.0	1-23	Maxon †	90	25	52.8	1.66
Warsaw †	.....	.....	.....	Mechanicsville	85	26	51.0	1.92	
Winnebagoe †	81	28	49.6	2-74	Monticello *† <sup>1</sup>	87	25	50.5	3.40

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
<i>Iowa—Cont'd.</i>									
Mount Pleasant <sup>a</sup> .	83	53.7	3.31		Kentucky—Cont'd.	84	28	56.8	1.56
Mount Vernon <sup>a</sup> .	83	30	52.8		Caddo <sup>a</sup> † <sup>1</sup> .	84	36	59.0	3.75
Murray†.	88	.....	1.14		Canton <sup>a</sup> † <sup>1</sup> .	88	34	56.9	2.93
Newton	86	25	54.3		Carrollton <sup>a</sup> † <sup>1</sup> .	91	35	55.3	2.41
North McGregor†.	.....	25	54.3		Catlettsburg <sup>a</sup> † <sup>1</sup> .	84	36	55.3	2.41
Osage <sup>a</sup> † <sup>3</sup> .	31	47.0	3.20		Earlington <sup>a</sup> .	89	34	55.0	7.21
Oskaloosa <sup>a</sup> .	89	25	53.7		Eddyville†.	.....	.....	4.65	
Ottumwa.	88	27	53.9		Edmonton†.	87	31	56.0	3.33
Ovid†.	88	24	53.4		Elizabethtown†.	90	28	56.3	4.34
Panama†.	89	25	52.3		Eubank†.	90	27	55.0	3.62
Bielchland <sup>a</sup> .	89	33	54.8		Falmouth†.	.....	.....	3.20	
Rock Rapids.	84	21	49.9		Fords Ferry†.	94	30	57.9	4.09
Rockwell City.	.....	.....	3.77		Franklin <sup>a</sup> † <sup>1</sup> .	91	41	57.8	4.09
Sac City†.	78	32	47.9		Georgetown <sup>a</sup> .	86	29	53.3	4.01
Seymour†.	90	25	53.9		Greendale <sup>a</sup> .	85	34	54.4	3.12
Sibley	81	18	48.1		Greensburg <sup>a</sup> † <sup>1</sup> .	87	31	55.3	2.71
Spirit Lake†.	85	20	50.3		Harrordsburg†.	92	30	55.0	4.05
Sutherland.	79 <sup>c</sup>	21	48.3 <sup>d</sup>		Henderson†.	92	35	59.6	5.16
Vinton <sup>a</sup> .	78	29	51.4		Hendricks†.	.....	.....	2.60	
Washington†.	90	26	53.6		Louisa†.	27	.....	3.37	
Webster City <sup>a</sup> .	80	30	51.2		Mount Sterling†.	85	29	53.2	3.24
West Bend <sup>a</sup> † <sup>1</sup> .	79 <sup>d</sup>	20	48.3 <sup>e</sup>		Munfordville <sup>a</sup> † <sup>1</sup> .	86	33	58.6	3.70
Williams <sup>a</sup> .	80	24	48.6		Paducah <sup>a</sup> †.	92	36	60.0	3.82
Wintersett.	92	25	53.5	4.51	Pelville†.	90	30	56.8	3.53
<i>Kansas.</i>									
Abilene†.	92	27	61.2	2.36	Baltimore†.	86	32	55.8	4.64
Achilles <sup>a</sup> † <sup>3</sup> .	92	23	50.4	0.35	Russellville†.	91	30	58.1	4.90
Allison <sup>a</sup> † <sup>2</sup> .	90	21	53.0	1.16	Sandy Hook†.	86	23	53.2	2.93
Altoona <sup>a</sup> † <sup>3</sup> .	85	37	58.4	3.15	Shelby City <sup>a</sup> † <sup>2</sup> .	88	37	53.4	2.15
Atchison†.	88	30	57.2	2.43	shelbyville†.	92	29	56.2	3.93
Beloit†.	81	30	56.8	2.91	South Fork <sup>a</sup> † <sup>2</sup> .	.....	.....	3.02	
Burlington†.	90	28	58.4	3.01	Springfield†.	81	30	52.1	2.77
Colby†.	86	22	53.2	0.77	Williamsburg†.	.....	.....	2.77	
Coldwater†.	89	25	58.6	3.10	<i>Louisiana.</i>				
Collyer <sup>a</sup> † <sup>2</sup> .	92	34	52.7	1.38	Abbeville.	90	49	72.8	2.56
Columbus†.	87	31	58.6	2.40	Alexandria†.	.....	.....	3.58	
Coolidge†.	84	23	53.4	0.90	Amité†.	88	41	68.8	3.48
Cunningham†.	89	26	59.8	3.83	Bastrop†.	87	40	66.8	6.75
Downs.	.....	.....	3.90	Button Rouge†.	88	51	70.0	5.03	
Eldorado†.	90	29	59.5	1.32	Calhoun†.	85	40	64.2	5.03
Elk City <sup>a</sup> † <sup>1</sup> .	85	36	60.4	4.92	Cameron <sup>a</sup> † <sup>2</sup> .	58	69.7	1.52	
Ellis <sup>a</sup> † <sup>6</sup> .	86	30	57.8	.....	Cheneyville†.	.....	.....	2.95	
Emporia†.	85	30	59.2	2.30	Clinton†.	86	55	73.2	3.73
Englewood†.	90	17	59.0	2.06	Couchettau <sup>a</sup> †.	.....	.....	4.70	
Eureka Ranch†.	91	25	56.5	1.33	Covington†.	87	42	66.8	4.00
Fort Riley†.	86	30	56.6	2.50	Davis†.	87	41	65.8	4.90
Garden City†.	87	24	55.8	0.93	Dethi†.	.....	.....	9.55	
Garfield.	.....	.....	2.50	Donaldsonville†.	89	50	72.4	3.52	
Gibson <sup>a</sup> † <sup>1</sup> .	85	22	53.0	0.67	Emilie†.	86	50	70.4	3.68
Gove <sup>a</sup> † <sup>1</sup> .	90	26	58.8	0.72	Farmerville.	85	43	65.6	5.90
Grainfield <sup>a</sup> .	84	21	59.4	1.00	Franklin†.	88	48	73.0	3.10
Grenola <sup>a</sup> † <sup>1</sup> .	88	32	60.5	4.90	Girard†.	80	33	65.5	7.32
Grinnell <sup>a</sup> .	90	30	60.2	0.45	Grand Coteau.	86	51	72.0	5.02
Halstead <sup>a</sup> .	80	24	58.6	2.86	Hammond†.	89	48	70.2	4.78
Hays City†.	90	23	58.0	1.85	Houma†.	89	40	72.4	3.50
Horton†.	88	27	56.6	1.80	Jeanerette†.	88	49	71.8	2.18
Hutchinson†.	86	29	59.4	2.49	Lafayette†.	92	48	72.9	3.51
Independence†.	88	33	61.2	4.98	Lake Charles†.	.....	.....	2.53	
Ionia†.	91	15	56.2	2.30	Lake Providence†.	86	42	67.1	5.52
Jacquat.	87	11	53.3	0.40	Lawrence <sup>a</sup> .	86	42	67.1	5.52
Johnson†.	88	24	58.0	1.15	Lawrence <sup>a</sup> .	88 <sup>d</sup>	42 <sup>d</sup>	69.0 <sup>d</sup>	5.85
Kiowa†.	88	30	56.3	3.61	Louisville†.	87	39	70.0	2.84
Lakin†.	91	20	57.8	0.13	Maconville†.	80	45	71.2	2.88
Lebo†.	88	27	59.2	2.84	Minden†.	87	42	67.8	4.12
Leoti†.	88	21	54.2	0.79	Monroe†.	87	45	68.6	6.50
Liberal†.	92	28	59.7	1.20	Natchitoches†.	80	40	68.3	4.01
Macksville†.	91	23	58.9	3.46	New Iberia <sup>a</sup> .	88	53	71.4	2.55
McPherson†.	87	28	59.2	3.06	Opelousas†.	88 <sup>1</sup>	48	73.2 <sup>1</sup>	3.82
Manhattan <sup>a</sup> .	92	25	59.1	1.33	Plain Dealing.	85	49	65.4	5.25
Manhattan <sup>a</sup> † <sup>1</sup> .	92	26	55.5	1.21	Plaquemine.	86	49	69.0	3.39
Marion†.	87	25	58.1	2.46	Rosey†.	86	49	73.0	2.87
Marmaton.	.....	.....	3.75	Roseland†.	87	45	70.5	2.87	
Medicine Lodge.	.....	.....	3.81	Schriever†.	93	47	73.2	1.76	
Minneapolis†.	89	25	58.0	3.38	Shell Beach.	87	39	70.0	2.84
Monument <sup>a</sup> † <sup>1</sup> .	88	35	54.5	1.00	Sugar Ex. Station†.	88	51	70.5	4.52
Morland†.	92	10	53.8	1.61	Sugartown†.	85	39	65.4	5.76
Morton†.	90	24	57.2	1.25	Tibideaux.	.....	.....	2.91	
Mount Hope <sup>a</sup> † <sup>1</sup> .	87	37	60.8	3.55	Wallace†.	88	50	70.9	1.34
Ness City†.	.....	.....	1.39	Winnifield†.	86	43	68.0	5.52	
New Eng. Ranch†.	87	22	54.6	0.89	West End.	.....	.....	2.21	
Oberlin†.	.....	.....	2.32	Winnifield†.	.....	.....	2.21		
Olathe†.	87	29	58.0	3.35	Winnifield†.	86	43	68.0	5.52
Oswego†.	90	27	58.6	2.27	Woodfin†.	.....	.....	2.21	
Philipspburg†.	88	24	51.3	1.76	Yates Center†.	88	20	44.0	1.45
Pleasant Dale†.	87	22	56.7	3.04	Zion.	.....	.....	2.20	
Rome <sup>a</sup> † <sup>1</sup> .	85	33	59.9	4.23	<i>Maine.</i>				
Sedan†.	86	36	61.0	3.62	Bar Harbor.	74	16	42.0	1.59
Sterling†.	89	26	59.5	2.55	Belfast <sup>a</sup> † <sup>6</sup> .	69	24	43.5	1.63
Tribune†.	88	22	53.4	0.99	Calais†.	69	12	39.9	1.32
Ulysses†.	91	20	57.7	1.37	Cornish†.	74	18	44.4	3.12
Wa Keeney <sup>a</sup> † <sup>1</sup> .	88	32	54.7	2.50	Fairfield.	75	14	44.0	0.72
Wakefield†.	92	36	60.6	2.28	Farmington†.	84	15	44.8	1.43
Wallace†.	.....	.....	0.69	Gardiner.	79	15	44.3	1.80	
Wamego <sup>a</sup> .	92	32	57.8	1.69	Houlton†.	78	15	40.2	0.72
Washington†.	90	26	57.2	1.85	Lewiston.	78	19	44.1	2.44
Wellington.	85	36	64.4	3.94	Madison <sup>a</sup> † <sup>1</sup> .	74	20	44.0	1.45
Winfield <sup>a</sup> .	86	26	58.9	3.07	Mattawankeag <sup>a</sup> .	74	22	42.0	....
Winona <sup>a</sup> † <sup>3</sup> .	88	26	50.8	1.25	Mayfield.	73	8	41.0	1.17
Yates Center†.	88	22	50.0	2.90	North Bridgeton.	73	18	42.8	1.18
<i>Kentucky.</i>									
Alpha <sup>a</sup> † <sup>1</sup> .	92	34	60.8	1.74	Orono†.	77	12	38.3	1.34
Blandville <sup>a</sup> .	87	26	54.2	3.44	Petit Menan <sup>a</sup> † <sup>1</sup> .	52	13	38.4	....
Bowling Green <sup>a</sup> † <sup>1</sup> .	87	26	54.2	3.26	West Jonesport <sup>a</sup> † <sup>1</sup> .	60	13	38.4	....
Bowling Green <sup>a</sup> † <sup>2</sup> .	92	33	58.6	3.59	<i>Maryland.</i>				
Burnside†.	.....	.....	3.33	Bachmans Val.† <sup>1</sup> .	80	28	48.8	....	

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean			Max.	Min.	Mean	
<i>Maryland.</i>														
Ins.	84	26	52.2	3.10	Charlotte Hall†.	84	31	57.8	3.16	Adrian.	85	24	48.2	3.36
Cherryfield <sup>a</sup> .	88	36	59.1	3.75	College Park.	82	24	51.9	3.16	Albion.	79	23	49.1	3.05
Cumberland <sup>a</sup> †.	82	25	58.0	2.41	Cumberland b.	82	25	54.8	1.59	Allegan.	86	23	48.8	2.27
Darlington†.	78	30	50.2	3.07	Cumberland b.	82	25	54.8	1.59	Alma.	78	22	46.0	2.78
Easton†.	80													

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Minnesota—Cont'd.	0	0	0	Ins.
Crookston <sup>a</sup>	75	22	41.2	7.86
Crookston <sup>a</sup>	78	20	43.4	4.06
Dassel <sup>a</sup>	72	32	47.3	.....
Dawson <sup>a</sup>	32°	26	47.3	.....
Excel <sup>a</sup>	80	16	41.6	.....
Farmington <sup>a</sup>	80	24	47.2	4.09
Fergus Falls <sup>a</sup>	76	21	44.5	4.13
Fort Ripley <sup>a</sup>	.....	.....	5.44	.....
Grand Meadow <sup>a</sup>	79	24	47.3	3.27
Granite Falls <sup>a</sup>	81	19	47.7	4.11
Hutchinson <sup>a</sup>	74	22	47.4	5.40
Jadis <sup>a</sup>	76	23	43.6	3.46
Lake Vermillion <sup>a</sup>	72	13	42.2	5.31
L Winnibigoshish <sup>a</sup>	75	17	42.2	3.92
Leech Lake <sup>a</sup>	78	15	42.2	4.00
Long Prairie <sup>a</sup>	74	16	44.2	7.66
Luverne <sup>a</sup>	78	21	48.0	3.64
Maple Plain <sup>a</sup>	75	23	47.8	4.61
Marfield <sup>a</sup>	76°	13°	41.6°	4.75
Mazeppa <sup>a</sup>	78°	20	46.7	.....
Medford <sup>a</sup>	78	23	47.8	4.38
Milan <sup>a</sup>	78	24	45.7	4.62
Minneapolis <sup>a</sup>	79	24	49.0	4.53
Minneapolis <sup>b</sup>	75°	25	47.8	4.99
Minnesota City <sup>a</sup>	83	25	50.0	3.48
Montevideo <sup>a</sup>	81	24	47.2	4.48
Morris <sup>a</sup>	76	27	46.6	3.91
New London <sup>a</sup>	73	20	47.0	6.48
New Richland <sup>a</sup>	74	30	48.0	.....
New Ulm <sup>a</sup>	78	30	50.2	.....
Ortonville <sup>a</sup>	.....	.....	3.39	.....
Park Rapids <sup>a</sup>	74	14	43.2	4.45
Perham <sup>a</sup>	78	18	43.1	.....
Pine River <sup>a</sup>	71	18	42.9	4.93
Pokagon Falls <sup>a</sup>	76*	10	40.9	4.35
Red Lake <sup>a</sup>	76	19	44.4	2.62
Red Wing <sup>a</sup>	.....	.....	3.39	.....
Redwood Falls <sup>a</sup>	.....	.....	2.61	.....
Rolling Green <sup>a</sup>	75	25	48.0	4.58
Rush City <sup>a</sup>	74	22	45.7	4.76
St. Charles <sup>a</sup>	77	22	48.4	3.67
St. Cloud <sup>a</sup>	74	26	46.6	4.93
St. Olaf <sup>a</sup>	76	20	44.7	4.09
St. Peter <sup>a</sup>	77	27	49.0	5.42
Bandy Lake Dam <sup>a</sup>	69	27	41.4	5.59
Sauk Center <sup>a</sup>	73	18	43.8	5.74
Starbuck <sup>a</sup>	75	22	43.8	5.56
Sunrise City <sup>a</sup>	76	24	47.0	.....
Two Harbors <sup>a</sup>	64	17	41.2	6.71
Wabasha <sup>a</sup>	80	27	50.2	4.39
Willmar <sup>a</sup>	74	22	46.6	5.89
Winona <sup>a</sup>	80	26	50.2	4.57
Worthington <sup>a</sup>	78	19	46.8	4.83
Mississippi	.....	.....	.....	.....
Aberdeen <sup>a</sup>	.....	.....	4.05	.....
Agricultural Col'ge	88	42	68.4	3.13
Batesville <sup>a</sup>	87	38	62.5	3.97
Bay St. Louis <sup>a</sup>	83	52	66.6	4.00
Biloxi <sup>a</sup>	87	47	66.4	1.95
Brier <sup>a</sup>	88	47	66.7	2.00
Brookhaven <sup>a</sup>	91	42	66.8	5.71
Canton <sup>a</sup>	84	46	65.6	5.57
Clarkdale <sup>a</sup>	94	35	66.3	3.77
Columbus <sup>a</sup>	.....	.....	4.05	.....
Crystal Springs <sup>a</sup>	88	46	66.6	6.32
Duck Hill <sup>a</sup>	89	39	64.2	4.01
Edwards <sup>a</sup>	90	46	67.4	5.67
Egypt <sup>a</sup>	90	41	65.0	.....
Enterprise <sup>a</sup>	90	38	66.7	4.11
Fayette <sup>a</sup>	88	49	69.2	5.81
French Camps <sup>a</sup>	85	35	66.3	4.47
Greenville <sup>a</sup>	86	43	64.8	4.08
Greenville <sup>b</sup>	90	41	66.8	4.48
Hattiesburg <sup>a</sup>	90	46	67.4	2.55
Hernando <sup>a</sup>	86	40	63.2	6.68
Itta Bena <sup>a</sup>	92°	46°	69.0°	3.63
Jackson <sup>a</sup>	91	43	68.1	3.45
Kosciusko <sup>a</sup>	89	40	62.4	1.79
Lake <sup>a</sup>	86	41	65.9	3.27
Leakeville <sup>a</sup>	89	41	66.0	2.01
Logtown <sup>a</sup>	84	47	66.6	4.56
Louisville <sup>a</sup>	89	35	63.4	3.49
McComb <sup>a</sup>	89	49	68.4	2.79
Macon <sup>a</sup>	92	39	65.4	4.83
Marysville <sup>a</sup>	88	41	67.2	7.04
Moss Point <sup>a</sup>	85	54	71.2	.....
Natchez <sup>a</sup>	88	45	69.7	3.51
Okolona <sup>a</sup>	.....	.....	3.55	.....
Palo Alto <sup>a</sup>	88	42	64.6	3.24
Pontotoc <sup>a</sup>	89	42	64.6	3.03
Port Gibson <sup>a</sup>	89	43	68.5	7.21
Stoneboro <sup>a</sup>	87	50	66.9	.....
Thornton <sup>a</sup>	86	48	66.0	6.43
Topton <sup>a</sup>	88	48	64.5	3.55
Vaiden <sup>a</sup>	95	37	65.9	4.50
Water Valley <sup>a</sup>	96	39	64.4	3.30
Waynesboro <sup>a</sup>	95	35	65.2	2.36
Woodville <sup>a</sup>	91	47	70.8	2.07
Yazoo City <sup>a</sup>	98	41	69.7	5.47
Missouri	.....	.....	.....	.....
Appleton City <sup>a</sup>	90	32	58.6	3.29
Arlington <sup>a</sup>	.....	.....	3.27	.....
Arthur <sup>a</sup>	32	48.7	3.03	.....
Bagnell <sup>a</sup>	.....	.....	4.10	.....
Bethany	89	27	55.3	1.79

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Missouri—Cont'd.	0	0	0	Ins.
Big Piney <sup>a</sup>	80	28	58.1	3.32
Birch Tree <sup>a</sup>	88	34	58.1	4.64
Bluffton <sup>a</sup>	92	34	59.0	2.44
Boonville <sup>a</sup>	89	30	57.1	3.97
Brunswick <sup>a</sup>	87	31	56.6	1.70
Carrollton <sup>a</sup>	87	31	56.6	1.70
Conception <sup>a</sup>	78	28	49.4	3.70
Cowgill <sup>a</sup>	78	34	54.0	1.44
Dixon <sup>a</sup>	78	34	54.0	2.95
Downing <sup>a</sup>	80	30	57.6	3.47
Edge Hill <sup>a</sup>	80	30	57.6	5.07
Eight Mile <sup>a</sup>	82	34	56.1	1.02
Eldon <sup>a</sup>	88	32	55.6	1.75
Elmira <sup>a</sup>	89	26	57.3	1.75
Emma <sup>a</sup>	83	28	58.0	2.01
Gowgill <sup>a</sup>	80	28	54.4	2.01
Agree <sup>a</sup>	80	26	49.7	2.03
Ansley <sup>a</sup>	80	20	51.8	1.13
Arborville <sup>a</sup>	92	24	55.4	2.01
Ashton <sup>a</sup>	92	18	50.9	1.35
Bassett <sup>a</sup>	90	19	51.6	1.80
Beatrice <sup>a</sup>	92	25	55.5	1.31
Beaver City <sup>a</sup>	92	20	55.2	0.72
Bratton <sup>a</sup>	90	30	56.3	1.61
Burwell <sup>a</sup>	76	38	54.4	2.57
Callaway <sup>a</sup>	90	20	52.2	0.81
Columbus <sup>a</sup>	87	20	50.4	1.05
Cornlea <sup>a</sup>	87	20	50.4	1.05
Creighton <sup>a</sup>	87	19	49.2	3.19
Crete <sup>a</sup>	91	25	55.3	1.40
Culbertson <sup>a</sup>	87	26	50.3	1.09
Curtis <sup>a</sup>	93	28	56.4	1.55
David City <sup>a</sup>	87	26	50.3	1.85
Ericson <sup>a</sup>	90	30	55.8	1.24
Ewing <sup>a</sup>	80	30	57.2	2.67
Fort Robinson <sup>a</sup>	83	17	50.2	2.86
Franklin <sup>a</sup>	92	21	55.5	0.81
Geneva <sup>a</sup>	93	25	54.4	1.98
Genoa <sup>a</sup>	92	25	52.8	1.93
Gering <sup>a</sup>	82	22	50.4	1.68
Glenwood <sup>a</sup>	83	26	45.8	1.49
Hagler <sup>a</sup>	88	30	54.5	T.
Hartington <sup>a</sup>	86	20	49.7	4.26
Harvard <sup>a</sup>	95	30	54.8	1.20
Hebron <sup>a</sup>	94	23	56.8	1.46
Holdrege <sup>a</sup>	87	27	52.2	2.07
Indianola <sup>a</sup>	90	21	54.2	0.36
Kennedy <sup>a</sup>	86	26	48.7	2.37
Kimball <sup>a</sup>	85	15	48.8	2.22
Lexington <sup>a</sup>	85	20	55.9	0.81
Lincoln <sup>a</sup>	90	28	54.2	1.38
Madrid <sup>a</sup>	89	18	49.8	2.58
Marquette <sup>a</sup>	95	28	50.4	2.21
Marble Hill <sup>a</sup>	88	24	53.8	4.59
Marceline <sup>a</sup>	89	27	54.6	1.97
Marshall <sup>a</sup>	89	28	55.9	2.59
Mexico <sup>a</sup>	91	29	55.5	2.33
Mine La Motte <sup>a</sup>	87	26	55.5	2.38
Mount Vernon <sup>a</sup>	90	28	56.7	3.12
Nevada <sup>a</sup>	87	27	53.7	2.73
New Hartford <sup>a</sup>	87	30	56.2	2.57
New Haven <sup>a</sup>	93	32	57.2	4.42
New Madrid <sup>a</sup>	90	37	60.6	3.51
New Palestine <sup>a</sup>	84	34	52.4	3.14
Oakfield <sup>a</sup>	89	32	57.1	4.68
Old Ridge <sup>a</sup>	24	56.6	2.50	.....
O'Neill <sup>a</sup>	84	26	50.8	2.14
Plattsburgh <sup>a</sup>	84	21	50.1	1.74
Ravena <sup>a</sup>	92	20	54.0	1.97
Red Cloud <sup>a</sup>	89	24	54.2	1.04
Richmond <sup>a</sup>	89	28	55.0	4.21
Santec Agency <sup>a</sup>	89	23	52.1	4.21
Seward <sup>a</sup>	84	28	55.0	0.97
Springview <sup>a</sup>	88	21	50.1	2.22
Stanton <sup>a</sup>	82	21	50.2	3.85
State Farm <sup>a</sup>	85	23	55.8	.....
Northfolk <sup>a</sup>	81	22	51.8	2.59
North Loup <sup>a</sup>	91	17	54.4	1.24
Oakdale <sup>a</sup>	90	19	51.0	2.57
Ogallala <sup>a</sup>	88	28	50.8	0.83
Platte River <sup>a</sup>	86	28	53.0	2.28
Poplar Bluff <sup>a</sup>	87	31	59.4	3.65
Potosi <sup>a</sup>	87	22	53.2	2.82
Princeton <sup>a</sup>	89	28	58.0	1.91
Reed Spring <sup>a</sup>	90	20	51.1	4.42
Round Spring <sup>a</sup>	90	21	51.1	4.42
St. Charles <sup>a</sup>	86	31	55.6	1.07
St. Joseph <sup>a</sup>	86	28	55.6	1.91
St. Louis <sup>a</sup>	87	28	55.6	2.44
St. Rose <sup>a</sup>	87	28	59.4	2.32
St. Louis <sup>b</sup>	87	28	59.4	2.32
Sarcosie <sup>a</sup>	89	29	59.4	2.32
York <sup>a</sup>	92	31	53.7	2.13
Nevada	.....	.....	.....	.....
Austin <sup>a</sup>	71	16	43.3	1.82
Battle Mountain <sup>a</sup>	75	32	52.3	0.40
Bellefonte <sup>a</sup>	86	30	50.4	0.45
Belvidere <sup>a</sup>	79	16	43.1	0.72
Bentonville <sup>a</sup>	77	21	50.4	2.24
Billings <sup>a</sup>	72	37	50.0	0.05
Blairstown <sup>a</sup>	78	18	48.5	3.00
Boonton <sup>a</sup>	78	21	47.3	2.43
Bridgeton <sup>a</sup>	81	27	52.8	2.14
Camden <sup>a</sup>	78	21	50.8	3.38
Cape May <sup>a</sup>	73	14	49.0	2.99
Cape May C. H. <sup>a</sup>	80	23	50.1	2.04
Charlottesville <sup>a</sup>	76	10	43.7	2.46
Chester <sup>a</sup>	74	23	49.6	3.50
Deckertown <sup>a</sup>	76			

*Meteorological record of voluntary observers, &c.—Continued.*

stations.	Temperature. (Fahrenheit.)			Prep'n.
	Max.	Min.	Mean	
New Mexico—Cont'd	•	•	•	Ins.
Alma	86	20	55.5	T.
Chama †	78	10	43.4	0.98
Deming †	87	50	71.4	0.00
East Las Vegas †	76	25	50.5	0.54
Fort Bayard	83	31	54.6	0.00
Fort Stanton †	88	29	54.4	0.96
Fort Wingate	79	25	49.1	0.80
Galisteo †	76	31	53.4	1.10
Gallinas Spring †	86	29	57.0	0.89
Hall Peak †	73	14	45.6	0.20
La Luz †	89	30	62.0	0.01
Las Cruces †	83	30	59.9	0.03
Lordsburg *	95	40	57.3	0.00
Los Lunas †	89	32	58.6	0.40
Montero †	75	11	43.5	1.35
Olio †	85	21	53.4	0.19
Raton †	78	19	50.4	0.78
Riocon †	92	32	62.9	T.
San Marcial †	85	33	59.2	0.15
Socorro †	87	34	66.3	0.25
Springer †	82	31	54.2	0.06
Sulphur Hot Spgs †	69	15	41.3	1.58
Taos †	82	17	49.6	0.67
<i>New York.</i>				
Addison	78	16	44.6	6.60
Akron	.....	.....	.....	3.43
Alfred Center	76	15	41.7	8.09
Angelica †	77	12	41.8	7.77
Arcade	75	15	41.6	0.02
Arkwright	70	23	43.3	.....
Atlanta	.....	.....	.....	5.90
Baldwinsville	75	20	45.7	2.20
Bedford	77	16	47.1	3.61
Big Sandy * 10	72	19	45.5	.....
Binghamton †	74	15	44.4	3.53
Bovina Center	.....	.....	.....	5.90
Brookfield	74	15	42.3	2.18
Canton †	74	12	44.4	1.59
Charlotte * 10	70	21	42.4	.....
Chenango Forks	.....	.....	.....	3.05
Cherry Creek	.....	.....	.....	3.66
Cooperstown †	73	15	43.4	2.54
Cortland	68	19	44.0	2.75
De Kalb Junction	.....	.....	.....	1.37
Demster	.....	.....	.....	1.95
Eden Center	81	18	44.3	6.32
Ellis	.....	.....	.....	4.78
Elmira †	78	18	46.6	4.42
Factoryville †	76	12	44.5	4.63
Fort Niagara †	78	24	45.7	1.53
Friendship	79	13	42.0	5.81
Gloversville	74	16	45.1	2.74
Hamilton	.....	.....	.....	1.48
Hess Road Stn †	79	19	45.7	1.34
Honeymead Brook	77	15	46.2	2.86
Humphrey †	79	16	44.0	4.53
Hudsonville	76	20	45.7	2.21
Ithaca	77	16	44.3	4.84
Jamestown * 10	75	23	46.7	.....
Kings Station	.....	.....	.....	1.87
Lebanon Springs	75	10	44.6	1.49
Le Roy	78	17	44.4	4.96
Lockport	75	19	45.2	2.25
Lowville	74	13	43.4	2.26
Madison Barracks †	73	17	46.0	1.52
Malone	72	14	43.1	1.15
Middletown	74	19	46.9	2.97
Minnewaska	70	17	44.1	3.40
Mount Morris	81	14	44.2	4.13
Nashville	76	17	43.5	3.40
New Lisbon	75	10	42.2	1.50
North Hammond †	70	20	47.3	1.31
Number Four †	66	7	40.9	1.89
Ogdensburg	71	15	46.7	0.94
Oxford	76	13	44.5	2.79
Palermo †	77	10	44.7	1.75
Perry City	77	11	42.3	6.10
Phoenix	.....	.....	.....	1.71
Pine City	.....	.....	.....	5.09
Plattsburgh Bks	70	14	44.0	1.14
Port Jervis	80	17	47.0	3.29
Potsdam	74	15	43.7	1.67
Poughkeepsie	76	10	41.7	1.32
Rome	83	15	46.3	2.39
Romulus	70	17	45.3	4.57
Rondout †	72	20	46.8	3.00
Saranac Lake	75	8	41.7	0.75
Scottsville	.....	.....	.....	3.45
Setauket †	73	27	47.1	3.11
South Canisteo	78	14	42.9	7.80
South Kortright †	74	9	42.3	2.25
Stillwater	77	16	45.0	1.73
Turin	71	14	43.5	2.58
Varysburg	82	15	43.6	4.34
Wappingers Falls	78	19	47.7	3.58
Warwick	.....	.....	.....	4.31
Wedgwood	78	12	43.6	0.67
West Chazy	.....	.....	.....	0.65
West Point †	75	.....	.....	3.80
Willets Point	73	31	48.0	1.90
<i>North Carolina.</i>				
Asheville	82	28	53.9	1.21
Auburn * 1	88	35	58.9	1.26
Bailey * 1	88	30	58.6	1.83
Bakersville	82	22	50.9	1.88

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean			Max.	Min.		
N. Carolina—Cont'd.	60	60	60	Ins.	Ohio—Cont'd.	60	60	60	Ins.	Ohio—Cont'd.	60	60	60	Ins.
Blowing Rock†.	64	24	45.5	0.81	Cambridge	83	19	49.3	2.41	Waynesville	85	23	49.0	2.30
Bryson City†.	86	33	58.0	3.13	Camp Dennison	84	30	53.1	2.38	Wellington	85	23	49.0	1.48
Chapel Hill†.	76	32	54.8	1.24	Canal Dover	85	18	49.1	3.07	Westerville	82	30	51.2	2.49
Columbus.	74	32	54.8	1.24	Canton†.	82	24	50.0	2.40	Weymouth	83	22	47.5	1.85
Currituck Inlet†.	74	32	54.8	1.24	Cardington	84	25	49.1	1.32	Wheeler†.	.....	.....	.....	.....
Experiment Farm	85	34	58.3	1.75	Carrollton	84	20	49.4	2.27	Wooster a.	92	24	50.5	1.74
Fair Bluff†.	85	34	58.3	1.75	Cedarville†.	82	32	55.3	1.58	Youngstown	82	20	48.9	2.45
Falkland*†.	87	37	60.5	1.74	Celine	86	23	53.0	1.58	Zanesville†.	.....	.....	.....	.....
Fayetteville†.	77	32	56.1	1.30	Cherry Fork	89	25	52.6	2.82	Oklahoma	.....	.....	.....	.....
Flat Rock.	83	24	53.0	2.75	Circleville†.	.....	.....	.....	.....	Alva t.	89	43	63.3	4.92
Forest Hill*†.	81	33	55.8	1.10	Clarksville	82	29	52.0	2.81	Ansadraka†.	88	35	64.8	2.45
Greenville†.	88	32	57.2	0.63	Cleveland	80	25	48.2	2.03	Britton†.	91	37	61.9	4.87
Henderson†.	88	32	57.2	2.65	Clifton	85	26	51.3	2.49	Buffalo†.	90	32	61.4	2.95
Highlands.	76	20	49.6	2.90	Coatslon	86	22	51.0	2.15	Burnett†.	86	32	63.6	3.08
Horse Cove†.	82	27	54.5	2.05	Colbrook	18	.....	.....	.....	Clifton†.	90	30	63.4	4.78
Lenoir*†.	79	32	56.1	1.99	Cynthiana	.....	.....	.....	.....	Enid†.	89	30	64.0	4.08
Lewiston.	85	30	55.0	1.50	Daytona	85	30	53.3	1.51	Kort Reno†.	88	30	59.5	3.30
Littleton†.	87	30	55.2	2.48	DeBanne	88	26	51.2	1.54	Fort Supply†.	92	28	61.1	4.36
Louisburg†.	83	33	55.8	2.88	Deinos	83	23	50.2	3.90	Guthrie†.	90	37	65.6	3.29
Lumberton†.	86	30	62.6	1.47	Dupont	82	26	50.5	1.65	Keokuk Falls†.	90	32	64.6	4.54
Lynn*†.	86	30	56.8	1.85	Ellsworth	82	19	48.0	2.48	Mangum†.	87	44	67.3	2.98
Marion.	85	27	54.4	1.23	Fairport Harbor*†.	76	26	45.3	.....	Ponca†.	88	32	60.9	5.87
Mocksville†.	84	32	58.1	1.82	Findlay	85	26	49.6	1.60	Pond Creek†.	88	28	61.0	4.02
Moneure†.	.....	.....	.....	Fostoria	85	26	50.8	1.25	Stillwater†.	89	31	62.6	2.81	
Morganton*†.	86	30	55.0	2.15	Frankfort	82	27	51.7	2.87	Winnivue†.	88	44	66.0	6.05
Mount Airy†.	84	25	54.4	2.15	Garretttsville	81	16	47.1	2.84	Oregon	.....	.....	.....	.....
Mount Pleasant.	86	31	59.0	1.47	Georgetown	88	30	54.4	2.50	Allany a†.	74	32	50.2	3.27
Murphy†.	.....	.....	.....	Granville	83	20	50.2	2.30	Allany b*.	78	40	54.4	1.23	
Newbern†.	84	32	56.3	0.66	Gratiot	83	24	50.5	1.81	Arlington†.	80	31	51.2	1.15
Oak Ridge†.	86	34	57.5	1.54	Greenfield	83	30	54.7	1.35	Ashland a*.	76	37	47.5	0.57
Pittsboro.	83	32	56.6	1.43	Green Hill	84	16	47.7	2.15	Ashland b*.	79	27	49.0	0.55
Raleigh*†.	83	36	60.8	1.40	Guysville	81	20	51.3	3.32	Aurora a (near).	76	35	53.1	3.29
Rockingham†.	93	35	63.6	0.90	Hackney	81	25	50.3	2.79	Aurora b.	77	45	48.8	4.00
Roxboro†.	86	30	57.8	2.06	Hanging Rock	87	28	53.2	2.64	Bandon.	62	30	49.0	5.69
Rutherford Col*†.	82	28	52.3	2.30	Harbor	76	24	40.9	2.34	Bay City.	.....	.....	.....	3.85
Salisbury a.	83	36	59.9	1.02	Hedges	91	23	51.0	1.55	Beulah†.	76	22	45.4	1.06
Salisbury b†.	.....	.....	.....	Hillhouse	82	19	45.0	2.15	Brownsville*.	74	34	49.6	2.76	
Saxton†.	86	24	56.4	2.20	Hillsboro	88	25	52.7	2.63	Burns†.	70	36	49.4	0.70
Selma.	86	34	58.8	1.10	Hiram	79	19	47.2	3.23	Canyon City†.	80	20	47.8	2.47
Shelby†.	86	30	58.0	1.40	Jacksonboro	86	26	52.2	1.15	Cascade Locks.	74	31	50.6	7.70
Sloan.	86	34	61.0	2.20	Kenton f.	87	27	52.6	1.99	Comstock*.	80	34	53.3	3.11
Soapstone M†.	85	29	57.2	1.53	Kilbourne	82	24	48.3	1.51	Cornelius.	74	30	49.3	2.56
Southern Pines†.	88	37	61.6	1.90	Killbuck	84	20	50.0	2.16	Corvallis a.	70	32	48.9	2.81
Tarboro.	88	31	59.1	1.30	Leipsic	85	20	50.1	1.36	Corvallis b*.	70	30	47.0	2.13
Washington†.	89	32	59.3	1.37	Levering	82	22	48.2	2.12	Corvallis (near).	74	31	49.7	3.09
Weldon†.	95	34	56.1	2.79	Logan	86	22	53.1	2.86	Crook.	76	24	47.7	1.62
Willeyton.	86	31	56.7	1.98	Lordstown	82	17	47.5	2.81	East Portland*.	75	32	47.0	2.59
North Dakota.	.....	.....	.....	Lowell.	83	20	48.3	2.04	Eugene†.	.....	.....	.....	1.94	
Ashley.	81	14	42.1	2.42	McArthur	84	24	51.5	3.05	Fife†.	75	27	47.8	2.61
Berlin†.	84	12	42.4	3.91	McConnelsville.	83	23	51.0	3.14	Forest Grove.	72	12	41.5	1.03
Bottineau.	67	22	41.5	2.00	Mansfield†.	.....	.....	.....	.....	Gardiner.	65	35	51.2	4.84
Churchs Ferry.	72	19	41.4	1.63	Marietta a†.	.....	.....	.....	.....	Glenora.	76	28	46.5	9.73
Devils Lake.	72	17	39.7	3.78	Marietta b†.	84	29	54.4	3.07	Grants Pass a†.	85	24	45.1	0.61
Dickinson†.	75	22	44.2	2.40	Marion.	88	25	50.1	1.83	Grants Pass b†.	75	31	49.5	0.40
Fargo†.	78	18	42.3	3.35	Mifordton	83	19	48.1	1.88	Happy Valley†.	75	17	44.0	1.25
Forman†.	82	20	44.0	7.38	Milligan	85	20	51.0	2.45	Heppner†.	78	29	47.4	1.86
Fort Berthold.	77	22	47.7	3.24	Millport	82	32	53.3	2.25	Hood River.	79	31	50.6	1.05
Fort Stevenson†.	72	24	44.0	3.86	Montpelier	84	25	49.4	2.42	Hood River (near).	71	29	40.4	1.68
Fort Yates†.	82	20	45.4	3.51	Napoleon	86	26	49.9	2.02	Hubbard.	71	31	49.2	2.76
Gallatin†.	84	14	41.6	3.88	Nelsonville	87 <sup>b</sup>	22	55.6	2.85	Jacksonville.	77	23	47.8	2.47
Grafton†.	80	20	41.1	2.28	New Alexandria	80	21	50.0	4.71	Junction City*.	80	31	54.9	0.42
Grand Fork†.	77	19	44.8	4.38	New Berlin	82	21	48.6	2.33	Klamath Falls.	64	22	40.2	T.
Jamestown†.	74	20	43.0	2.48	New Bremen	84	27	50.4	1.95	Lafayette*.	68	37	51.1	2.91
Keiso†.	80	18	43.0	2.79	New Comerstown.	83	22	49.9	2.74	La Grande†.	73	27	46.5	3.44
Lakota†.	75	18	40.6	3.35	New Holland	83	25	50.4	3.13	Lakeview†.	75	15	41.2	0.58
Laramore.	82	18	36.9	2.71	New Paris.	84	34	55.1	1.42	Langlois.	70	33	52.2	5.94
Lemert†.	75	18	41.0	2.66	North Lewisburg.	87	26	51.6	3.05	Lone Rock.	75	21	42.0	2.49
McKinney.	72	19	42.1	1.94	North Royalton.	83	22	47.9	2.14	McMinnville a†.	73	29	48.8	3.36
Milton†.	72 <sup>a</sup>	18	38.8	4.30	Northwood.	86	26	51.1	2.44	McMinnville b*.	76	34	50.7	2.02
Minto†.	82	18	42.2	2.85	Notre Dame.	84	24	49.0	2.23	Menard†.	88	38	50.0	0.17
Napoleon†.	75	20	42.5	2.98	Oberlin.	83	23	49.3	2.55	Monmouth*.	76	38	53.1	1.90
New Salem.	77	20	43.9	2.00	Oberlin.	83	27	51.0	2.04	Mount Angel†.	74	31	49.3	3.57
Oakdale†.	72	22	44.2	2.35	Ohio University.	83	23	49.3	2.55	Newbridge.	84	25	54.4	0.40
Portal†.	92	22	44.2	2.35	Orangeville.	80	16	47.7	3.05	Newport.	68	32	49.2	3.92
Power†.	83	24	43.7	2.75	Oriskala.	82	26	50.4	2.53	Oregon City.	68	32	48.4	4.14
St. Johns†.	70	18	38.3	3.11	Padilla.	84	20	51.1	1.90	Pendleton.	81	28	50.1	1.52
Sheyenne*.	76	22	42.9	2.47	Plattsburg.	83	27	51.3	1.72	Portland*.	78	35	51.6	2.87
Valley City†.	82	16	43.4	3.07	Pt. Marblehead*†.	72	30	49.4	2.63	Riddle*.	80	36	48.6	0.54
Walhoper†.	78	23	44.8	3.41	Pomeroy.	85	24	51.0	2.63	Roseburg*.	76	35	52.1	1.11
Wild Rice†.	.....	.....	.....	Portsmouth a†.	.....	.....	.....	.....	Salem a*.	63	39	50.3	2.52	
Williamsport.	78	17	43.3	4.06	Portsmouth b.	97	29	57.3	2.91	Salem b†.	70	30	50.1	3.08
Willow City†.	88	21	40.9	2.66	Ridge v'lle Corners.	85	25	49.3	1.34	Salem d†.	71	30	50.2	2.23
Woodbridge†.	74	5	39.5	2.77	Ripley.	82	30	53.1	2.75	Silverton*.	71	30	48.3	4.01
Ohio.	.....	.....	.....	Rittman.	80	21	47.5	2.44	Siskiyou*.	78	29	47.9	0.40	
Akron.	79	24	48.8	2.82	Rush Creek.	83	25	50.2	2.37	Springbrook.	74	31	48.8	2.96
Annapolis.	83	22	48.5	1.66	Sharon Center.	84	23	48.7	1.51	Springfield*.	74	31	49.6	3.40
Arcanum.	84	29	55.0	1.66	Sidney a†.	82	25	55.0	2.52	The Dalles*.	79	33	52.2	0.64
Ashland.	82	29	55.0	1.66	Sidney b†.	86	26	50.0	2.22	Tillamook R'k L.H.	.....	.....	.....	.....
Athens.	84	20	53.3	3.17	Sidney c.	86	25	50.2	2.71	Toledo.	70	31	46.8	5.47
Auburn.	77	20	45.4	3.28	Sidney d.	86	27	55.9	1.41	Umatilla†.	.....	.....	.....	1.03
Bangorville.	82	22	49.2	1.84	Spring Valley.	90	27	55.9	1.41	Vale.	78	20	48.6	1.37
Batavia.	.....	.....	.....	Stoutaville.	.....	.....	.....	.....	Vernonia*.	75	32	48.0	3.07	
Bellefontaine.	90	26	52.9	2.06	Sylvania.	83	27	47.6	2.62	West Fork*.	86	32	50.7	1.51
Benton.	85	23	45.4	3.53	Thurman.	88	25	55.0	2.52	Weston.	78	30	47.6	2.8

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Pennsylvania—Con.	0	0	0	Inns.	S. Carolina—Cont'd.	0	0	0	Inns.
Browers Lock	2.46	2.46	2.46	Kingtree $\dagger$ b	1.30	Arthur City $\dagger$	0	0	Texas—Cont'd.
Carlisle $\alpha$	3.61	2.0	3.0	Little Mountain $\ast$	2.15	Aurora $\ast$	99	44	68.4
Cassandra	3.78	47.8	3.78	Longshore $\dagger$	2.70	Austin b $\ast$	96	48	72.6
Chambersburg $\ddagger$	1.96	20	4.2	McCormick $\ast$ $\ddagger$	2.82	Belton $\dagger$	97	38	72.0
Clarion $\ddagger$	4.41	20	4.20	Martins	2.17	Boerne $\ast$ $\ddagger$	96	45	68.5
Coatesville	4.41	19	4.4	Mount Carmel $\dagger$	1.75	Brazoria $\dagger$	95	41	70.1
Confidence	4.94	20	4.20	Pinopolis $\ast$ $\ddagger$	0.71	Brenham $\dagger$	96	47	73.8
Coopersburg	3.18	20	4.4	Port Royal $\dagger$	1.55	Burnet $\ast$ $\ddagger$	90	47	72.7
Davis Island Dam $\ddagger$	3.94	20	4.20	Reidville	0.81	Camp Eagle Pass	90	46	6.34
Doylestown	3.30	20	4.20	St. Georges $\dagger$	1.04	Childress $\dagger$	104	49	77.0
Drift	4.52	5 $\ddagger$	42.3 $\ddagger$	St. Matthews $\ast$ $\ddagger$	1.43	Coldwater $\dagger$	95	41	67.8
Du Bois $\dagger$	3.79	20	4.20	St. Stephens $\dagger$	1.26	Coleman	.....	.....	2.45
Dyberry $\ddagger$	3.51	9	43.8	Santuck $\ast$	2.43	College Station	87	47	70.5
East Mauch Chunk	3.58	16	47.2	Simpsonville $\dagger$	1.07	Columbus $\dagger$	89	48	5.00
Easton	3.58	20	49.3	Society Hill	3.85	Corsicana $\ast$ $\ddagger$	98	45	68.6
Edinboro $\ast$ $\ddagger$	1.90	20	45.3	Statesburg $\dagger$	1.42	Crofton $\dagger$	94 $\ddagger$	49	74.3
Elwood Junction $\ddagger$	2.60	20	45.3	Tatum Station $\ast$	2.22	Dallas $\dagger$	91	47	69.2
Emporium	3.89	16	46.7	Trenton	2.42	Devine	98	41	72.9
F's of Neshaminy $\ast$	3.20	21	51.6	Triad $\dagger$	0.72	Durham $\dagger$	.....	.....	1.27
Frederick	2.03	20	4.20	Watts $\ast$	1.79	Duval $\ast$	102	46	73.6
Freport $\dagger$	3.24	20	4.20	Yorkville	1.02	Eastland $\ast$ $\ddagger$	101	46	71.1
Grampian $\ast$	46.0	16	46.0	South Dakota	.....	Estelle $\dagger$	92	39	68.9
Greensboro $\dagger$	3.31	20	4.20	Aberdeen $\dagger$	4.48	Forestburg $\dagger$	90	40	65.2
Greenville	47.6	18	47.6	Alexandria $\dagger$	4.13	Fort Brown $\dagger$	95	57	78.0
Hamburg	3.55	18	49.2	Armour $\dagger$	2.38	Fort Clark	103	52	75.3
Hollidaysburg	3.08	14	48.6	Bowdrie $\ast$ $\ddagger$	2.63	Fort Hancock	95	55	69.1
Honesdale	3.08	13	44.9	Britton $\dagger$	4.74	Fort McIntosh	103	55	79.0
Huntingdon $\dagger$	3.19	16	48.8	Brookings $\dagger$	3.04	Fort Ringgold $\dagger$	104	58	80.2
Johnstown $\dagger$	3.00	20	50.0	Castlewood $\dagger$	3.64	Fredericksburg $\ast$ $\ddagger$	96	42	69.1
Kane	3.39	15	43.4	Cross $\dagger$	4.06	Gainesville $\dagger$	91	40	67.7
Kennett Square	3.39	21	49.4	De Smet $\dagger$	3.74	Graham $\dagger$	98	37	67.9
Kilmer $\ast$	5.25	26	4.86	Farmington	3.34	Grape Vine $\dagger$	91	42	68.3
Lancaster	4.30	23	49.2	Faulkton $\dagger$	2.44	Hale Center $\dagger$	91	36	64.3
Lansdale	2.61	20	4.20	Flandreau $\dagger$	4.47	Halletteville $\dagger$	92	46	73.1
Lebanon	4.77	18	48.4	Forestburg $\dagger$	2.43	Hartley $\dagger$	82	22	52.1
Le Roy $\dagger$	6.12	16	42.8	For Meade	3.39	Haskell $\dagger$	100	46	65.8
Lewisburg	5.33	17	47.4	Fort Sully	2.48	Highland	102 $\ddagger$	38 $\ddagger$	68.6
Ligonier	5.33	17	48.4	Frankfort $\dagger$	1.55	Houston $\dagger$	92	48	71.5
Lock Haven $\dagger$	5.51	17	49.4	Gale $\dagger$	2.61	Huntsville $\dagger$	90	44	71.3
Lock No. 4 $\dagger$	2.95	20	4.20	Parkston $\dagger$	3.04	Kent $\dagger$	.....	.....	0.18
Lycippus	3.99	22	49.0	Piedmont	2.87	Kermode $\dagger$	3.63	.....	.....
Mahoning $\dagger$	3.94	20	4.20	Rockford	2.44	Kyle $\dagger$	92 $\ddagger$	56	74.4
Newcastle $\dagger$	3.94	15	47.4	Rochester $\dagger$	2.44	Lilano $\ast$ $\ddagger$	92	40	70.8
Oil City $\dagger$	3.17	20	4.20	Shiloh $\dagger$	2.44	Longview $\dagger$	92	43	70.2
Ottsville	2.23	20	4.20	Silver City	3.12	Lulu $\dagger$	92	47	73.8
Parker $\dagger$	4.35	17	49.4	Sioux Falls $\dagger$	2.87	McGregor $\dagger$	92	47	73.8
Philadelphia $\alpha$	3.05	25	52.0	Tyndall $\dagger$	2.47	Marshall $\dagger$	89	40	67.1
Philadelphia $\beta$	3.22	25	51.0	Vermillion	2.47	Marneville $\ast$ $\ddagger$	98	51	70.0
Philadelphia $\gamma$	3.22	26	51.0	Watertown $\dagger$	3.00	Mountain Spring $\dagger$	91	42	68.6
Phoenixville	3.04	21	50.6	Webster $\dagger$	2.47	New Braunfels $\dagger$	91	49	72.5
Point Pleasant	3.74	20	4.20	Wellsboro $\dagger$	2.74	Orange $\dagger$	84	52	71.9
Pottstown	3.20	24	51.4	Rockford	2.74	Panter $\ast$ $\ddagger$	97	32 $\ddagger$	65.4
Quakertown	3.20	19	48.0	Rosebud $\dagger$	4.33	Roby $\dagger$	97	32 $\ddagger$	65.4
Reading $\ast$	2.77	19	48.9	Silver City	3.23	Rockport $\ast$	84	58	74.1
Ridgway $\dagger$	3.12	20	48.9	Sioux Falls $\dagger$	2.87	Rock Springs $\dagger$	92 $\ddagger$	56	74.9
Saegerstown	2.55	15	46.0	Spearsfield $\dagger$	4.76	Sam Mareo $\dagger$	88	52	70.8
Salem Corners	5.32	17	44.8	Tyndall $\dagger$	3.59	Sugar Land $\dagger$	88	52	73.8
Saltsburg $\dagger$	2.56	20	4.20	Vermillion	3.00	Sulphur Springs $\dagger$	94	43	66.6
Seisnitzville	3.06	20	4.20	Watertown $\dagger$	2.47	Temple $\dagger$	93	43	70.9
Seisins Grove	4.55	27 $\ddagger$	46.2 $\ddagger$	Webster $\dagger$	3.17	Victoria $\dagger$	97	53	73.8
Shinglehouse	5.61	11	43.0	Wellington $\dagger$	2.45	Wessex $\dagger$	83	41	67.4
Smethport	5.61	14	43.8	Wessington $\dagger$	2.80	Weatherford $\dagger$	93	43	70.6
Smiths Corners	2.94	20	4.20	West Newton $\dagger$	2.54	Wichita Falls $\dagger$	101	41	76.7
Somerset	10.00	18	46.7	Williamsport $\dagger$	2.54	Utah	.....	.....	3.14
South Eaton	4.58	15	45.8	Andersonville $\ast$	3.85	Blue Creek $\ast$	72	34	49.0
State College	3.85	18	46.8	Ashwood $\ast$ $\ddagger$	3.7	Castle Gate $\dagger$	76	23	46.3
Stoyestown $\dagger$	3.85	20	4.20	Bolivar $\dagger$	2.61	Cisco $\dagger$	56	54	4.48
Swarthmore	2.60	24	51.2	Bristol $\dagger$	2.66	Coalgrove $\dagger$	81	18	42.2
Uniontown	3.56	22	50.1	Byrdstown $\dagger$	2.7	Corinne $\ast$	59	37	5.61
Warren $\dagger$	3.03	20	4.20	Carthage $\dagger$	3.46	Deseret $\dagger$	80	39	57.5
Wellsboro $\ast$	8.69	14	41.9	Charleston $\dagger$	2.47	Fillmore $\dagger$	86	17	48.6
West Chester	3.81	23	49.6	Clarksville $\dagger$	5.54	Fort Du Chesne $\dagger$	75	18	47.9
West Newton $\dagger$	3.15	20	4.20	Columbia $\dagger$	5.12	Grouse Creek $\dagger$	72	26	46.6
Wilkesbarre $\dagger$	4.41	18	48.4	Covington $\dagger$	3.87	Heber $\dagger$	67	20	42.8
York $\dagger$	4.48	21	49.8	Florence Station $\bullet$	3.40	Kelton $\ast$	50	24	42.8
Rhode Island	.....	.....	.....	Franklin $\dagger$	3.42	Kooshaire $\dagger$	73	18	41.7
Bristol	4.30	21	44.3	Greeneville $\dagger$	3.04	Lake Station $\ast$	73	41	70.5
Kingston	4.07	18	44.5	Harrogate $\dagger$	5.22	Lanigan $\dagger$	73	27	47.3
Lonsdale	3.32	20	4.20	Hohenwald	2.67	Lauverne $\dagger$	77	22	47.0
Newport	4.30	25	47.2	Jacksonboro $\ast$	3.08	Levy $\dagger$	76	22	46.4
Pawtucket	3.31	23	47.5	Jackson $\dagger$	5.43	Loo $\dagger$	78	17	42.7
Providence $\alpha$	3.72	22	48.4	Jackson $\dagger$	4.41	Logant $\dagger$	74	28	46.8
Providence $\epsilon$	3.61	19	45.7	Jackson $\dagger$	3.39	Looe $\dagger$	76	22	47.6
Aiken	2.70	41	65.3	Johnsonville $\dagger$	4.23	Manti $\dagger$	72	24	48.6
Anderson $\dagger$	2.60	41	65.3	Kingston $\dagger$	3.14	Moor $\dagger$	89	20	55.4
Blacksburg	1.50	33	58.9	Loudon $\dagger$	3.81	Mount Pleasant $\ast$	78	28	46.2
Blenheim $\ast$	2.45	39	58.8	Loudon $\dagger$	3.81	Ogden $\alpha$ $\ast$	78	38	48.3
Camden $\dagger$	1.56	20	4.20	Lynnville $\ast$	3.99	Ogden $\ast$ $\ddagger$	75	33	54.7
Central $\ast$	2.02	35	59.2	McNelly $\ast$	2.40	Promontory $\ast$	72	26	43.9
Cheraw $\alpha$	5.26	35	62.0	Palmetto $\dagger$	3.52	Randolph $\dagger$	71	12	38.2
Cheraw $\beta$	6.05	20	4.20	Parksville $\ast$	2.63	Richfield $\dagger$	78	23	48.6
Clemson College $\dagger$	1.84	20	4.20	Pikeville $\ast$	3.2	Sciofield $\dagger$	74	8	37.2
Conway $\dagger$	1.34	20	4.20	Pittsford $\dagger$	2.81	Silver Lake $\ast$	50	4	30.2
Coronado $\dagger$	1.72	20	4.20	Rogersville $\ast$	2.57	Singletree $\ast$ $\ddagger$	77	19	41.8
Cross Hill $\ast$	1.89	40	64.7	Savannah $\ast$	34	Snowville $\dagger$	75	23	45.0
Darlington $\ast$	1.70	42	63.7	Springdale $\ast$	2.66	Soldier Summit $\dagger$	71	12	35.8
Edisto $\dagger$	2.09	20	4.20	Strawberry Plains	1.48	Terrace $\ast$	68	35	51.8
Evingham $\dagger$	1.34	20	4.20	Trenton	3.6	Thistletown $\dagger$	80	18	43.8
Flint Hill $\dagger$	2.75	34	61.2	Tullahoma $\ast$	2.92	Vermont.	.....	.....	.....
Gaffney $\dagger$	1.87	34	61.2	Waynesboro $\ast$	2.90	Vermon.	.....	.....	.....
Georgetown $\dagger$	1.70	42	63.5	Wier $\ast$	3.08	Weymouth	.....	.....	.....
Greenville $\dagger$	1.68	20	4.20	Texas.	.....	Abingdon $\dagger$	74	10	43.6
Greenwood $\dagger$	1.66	20	4.20	Arlington $\dagger$	4.56	Alexandria	84	30	53.6
Hollands Store $\dagger$	2.42	30	59.1	Aspinwall $\dagger$	.....	Ashland $\dagger$	86	28	51.1

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.</th

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
W. Virginia—Cont'd.	o	o	o	Ins.	Wisconsin—Cont'd.	o	o	o	Ins.
Morgantown a†	.....	.....	.....	2.95	Neillsville†	76	20	47.4	3.00
Morgantown b†	23	.....	.....	.....	New Holstein†	77	22	44.8	2.18
New Martinsvle†	85	23	52.9	3.51	Oconomowoc†	77	27	48.6	3.10
Parkersburg†	88	26	52.2	3.98	Jeonto†	82	18	45.7	2.86
Philip†	.....	.....	.....	.....	Osceola†	79	20	47.4	4.74
Pleasant Hill* <sup>8</sup>	78	14	46.7	6.91	Pepin†	85	22	50.2	3.31
Point Pleasant†	88	27	54.4	2.64	Portage†	.....	.....	.....	3.38
Raleigh†	77	24	46.9	1.00	Port Washington	71	24	44.2	3.25
Rowlesburg†	.....	.....	.....	.....	Prairie du Chien†	83	19	50.0	2.51
Sandyville†	83	24	50.0	2.88	Racine* <sup>10</sup>	77	30	44.8	2.68
Spencer†	90	30	53.4	2.81	Reedsburg†	79	25	49.2	3.22
Tanner* <sup>11</sup>	80	30	50.3	.....	Sharon†	82	29	49.0	2.73
Weston a†	.....	.....	.....	.....	Shawano†	77	17	45.2	2.36
Weston b <sup>12</sup>	76	27	52.3	.....	Sheboygan* <sup>10</sup>	69	30	44.6	.....
Wheeling†	.....	.....	.....	.....	Spooner†	.....	.....	.....	3.01
Wheeling b†	82	29	53.5	3.47	Stevens Point†	76	21	47.2	2.93
Wisconsin.	.....	.....	.....	.....	Steurgeon B. Canal†	68	21	41.2	.....
Amherst.	76	21	46.8	3.21	Two Rivers* <sup>10</sup>	79	22	44.6	.....
Ashland†	82	22	45.7	.....	Valley Junction†	78	20	48.0	4.02
Baraboo†	.....	.....	.....	.....	Viroqua	77	24	49.1	5.34
Barron†	75	21	45.1	4.64	Watertown†	76	23	46.4	2.88
Bayfield	60	15	38.8	4.70	Waukesha†	76	27	47.5	2.94
Beaver Dam.	78	25	48.2	4.72	Westfield†	75	23	47.6	3.37
Belleview.	81	25	47.6	6.36	Weston† <sup>13</sup>	80	26	46.4	3.89
Beloit.	82	29	50.2	3.49	Whitehall†	80	21	51.4	3.28
Black River Falls†	87	15	48.2	4.37	Wyoming.	.....	.....	.....	.....
Cadiz* <sup>13</sup>	24	46.2	6.61	Big Horn Ranch†	64	10	39.2	0.80	
Centralia	79	22	49.2	3.60	Camp Pilot Butte†	74	6	41.5	0.70
Chilton	79	25	46.8	2.70	Fort McKinney.	74	22	44.6	1.23
Chippewa Falls†	.....	.....	.....	Fort Washakie	68	10	42.8	1.92	
City Point.	78	20	48.8	4.18	Fort Yellowstone†	66	8	38.0	1.87
Crandon†	77	9	41.8	1.81	La Barge* <sup>14</sup>	80	8	29.7	0.29
Delavan†	82	27	48.1	3.79	Lander.	66	22	43.6	0.96
Eau Claire	77	25	48.4	2.92	Laramie.	66	7	39.1	1.51
Estella†	76	18	45.7	3.67	Lusk.	77	18	46.4	2.83
Florence†	74	6	41.1	2.74	Saratoga†	67	16	40.0	2.87
Fond du Lac†	80	26	47.0	1.94	Sheridan.	82	23	47.7	1.50
Grantsburg†	79	26	48.6	5.15	Sundance.	72	19	42.2	0.84
Hartford† <sup>14</sup>	.....	26	43.4	2.92	Wheatland†	76	11	47.8	0.46
Harvey†	80	25	47.2	3.23	Canada.	.....	.....	.....	.....
Hayward†	83	16	45.8	3.53	Fort Francis, Ont.	75	8	37.6	4.19
Hillsboro†	77	20	47.4	5.34	Mexico.	.....	.....	.....	.....
Janesville	82	23	49.0	2.40	Cuidad P. Diaz.	98	53	78.2	0.91
Juneau†	78	26	48.2	3.62	Leon de Alidamas.	92	51	71.0	0.13
Kenosha* <sup>15</sup>	72	32	46.8	.....	Mexico.	82	46	64.8	0.37
Koepenick* <sup>16</sup>	84	22	45.8	3.50	Puebla.	82	50	67.3	T.
Lancaster†	80	26	49.6	2.58	Topolobampo.	98	67	73.4	0.00
Lincoln† <sup>17</sup>	.....	45.7	2.72	Vera Cruz.	88	68	78.8	0.27	
Madison†	72	29	47.5	2.81	New Brunswick.	.....	.....	.....	.....
Manitowoc†	69	22	43.2	2.47	St. John.	61	13	37.8	4.40
Meadow Valley†	76	22	47.9	1.41	West Indies.	.....	.....	.....	.....
Medford b†	75	17	44.8	4.07	Grand Turk Island.	.....	.....	.....	.....
Menomonie.	78	20	46.4	5.65	Hamilton, Ber.	73	55	64.2	2.03

Reports received too late to be used in general discussion of weather for April, 1894.

California.	.....	.....	.....	New Mexico.	.....	.....	.....	.....
Hueneme.	.....	.....	.....	Estalina Springs.	.....	.....	.....	0.65
Los Alamos.	.....	.....	0.15	New York.	.....	.....	.....	.....
Pilot Creek.	.....	.....	0.28	Brentwood* <sup>1</sup>	72°	21	45.8	3.70
Riverside.	92	34	60.3	Canton.	74	12	44.4	1.59
San Jacinto.	93	30	60.6	Pennsylvania.	.....	.....	.....	3.94
Salinas (n).	.....	.....	0.10	Gettysburg.	.....	.....	.....	.....
Summerville.	.....	.....	0.53	Tennessee.	.....	.....	.....	.....
Georgia.	.....	.....	1.43	Rugby* <sup>1</sup>	84	35	53.0	3.23
Lumpkin.	86 <sup>d</sup>	43 <sup>d</sup>	65.3 <sup>d</sup>	Texas.	.....	.....	.....	.....
Illinois.	.....	.....	2.09	Corsicana a.	91	41	70.4	9.14
Oregon.	88	25	55.4	Earl's Ranch.	.....	.....	.....	11.62
Kansas.	.....	.....	2.57	Ochiltree.	.....	.....	.....	2.10
Bucklin.	.....	.....	1.75	Round Rock.	96	38	73.0	2.98
Lawrence <sup>1</sup> .	90	32	58.3	Virginia.	.....	.....	.....	.....
Missouri.	.....	.....	3.09	Charlottesville.	85	26	55.8	2.34
Nesho.	92	27	59.3	.....	.....	.....	.....	.....

Received too late for publication in March, 1894.

Alabama.	.....	.....	.....	Indian Territory.	.....	.....	.....	.....
Oxanna* <sup>1</sup> .	83	20	59.3	4.11	Healdton.	.....	.....	5.18
California.	.....	.....	.....	Kansas.	.....	.....	.....	.....
Davisville <sup>b</sup> .	90	37	60.0	Lakin.	10	42.9	.....	.....
Hendersons Ranch.	.....	.....	0.15	Kentucky.	.....	.....	.....	.....
Salinas b* <sup>8</sup> .	65	37	50.7	Earlington.	83	18	54.2	5.82
San Jacinto.	91	24	53.4	Michigan.	.....	.....	.....	.....
Sutter Creek* <sup>5</sup> .	72	22	44.2	St. Johns.	76	10	40.9	.....
Colorado.	.....	.....	1.06	New Mexico.	.....	.....	.....	.....
Julesburg.	75	— 2	44.4	Estalina Springs.	70	13	42.7 <sup>e</sup>	0.59
La Porte.	.....	.....	0.68	Tennessee.	.....	.....	.....	.....
Georgia.	.....	.....	.....	Johnsonville†.	.....	.....	3.80	.....
Dublin b†	.....	.....	3.91	.....	.....	.....	.....	.....

## Reports received too late, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Texas.	o	o	o	Ins.	College Station.	83	29	61.1	2.56
Earles Ranch.	77	22	44.8	2.18	Golindo.	.....	.....	3.65	.....
Haskell.	83	28	50.4	1.24	Haskell.	83	28	50.8	2.19
Panter* <sup>17</sup> .	99	28	50.8	0.56	Topolobampo* <sup>3</sup> .	85	57	67.8	T.
Vera Cruz.	88	59	74.8	0.56	Vera Cruz.	88	59	74.8	0.56

## EXPLANATION OF SIGNS.

\* Extremes of temperature from observed readings of dry thermometer.

† Weather Bureau instruments.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

<sup>1</sup> Mean of 7 a. m. + 2 p. m. + 9 p. m. + 4 p. m.

<sup>2</sup> Mean of 8 a. m. + 8 p. m. + 2.

<sup>3</sup> Mean of 7 a. m. + 7 p. m. + 2.

<sup>4</sup> Mean of 6 a. m. + 6 p. m. + 2.

<sup>5</sup> Mean of 7 a. m. + 2 p. m. + 2.

<sup>6</sup> Mean from readings at various hours reduced to true daily mean by special tables.

<sup>7</sup> Mean from hourly readings of thermograph.

<sup>8</sup> Mean of 7 a. m. + 2 p. m. + 9 p. m. + 3.

<sup>9</sup> Mean of sunrise and noon.

<sup>10</sup> Mean of sunrise, noon, sunset, and midnight.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston a," "Livingston b," indicates that two or more observers, as the case may be, are reporting from the same station. A small Roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance, "ii" denotes 14 days missing.

Note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

Corrections: Kansas, Lakin, from April, 1893, to February, 1894, inclusive, all minimum temperature readings are 10° too low, and all mean temperatures for the same period 5° too low.

Notes.—The following changes have been made in names of stations: Maryland, Valley Lee, changed to Cherryfields; Georgia, Conutta, changed to Ramsey.

TABLE III—Data from Canadian stations for the month of April, 1894.

Station.	Pressure.			Temperature.	Precipitation.	Prevailing direction of wind.	
	Inches.	Inches.	Inches.	o	o	Inches.	Inches.
St. John, N. F.	.....	.....	.....	.....	.....	.....	.....
Sydney, N. S.	29.95	30.01	+ .14	33.6	— 0.9	5.05	+ 1.25
Grindstone, G. S. L.	29.99	.....	.....	30.8	.....	1.75	ne.
Sandy Point, N. F.	.....	.....	.....	.....	.....	.....	.....
Halifax, N. S.	29.87	30.00	+ .12	37.0	— 0.5	5.23	+ 1.92
Grand Manan, N. B.	29.96	30.01	+ .04	4.09	.....	0.69	ne.
Yarmouth, N. S.	29.90	29.98	+ .07	38.8	— 0.2	3.13	+ 0.19
Saint Andrews, N. B.	29.94	29.99	— .01	38.6	.....	2.53	+ 0.03
Charlottetown, P. E. I.	29.90	30.00	— .01	34.4	.....	2.20</	

TABLE IV.—*Hourly sunshine as deduced from sunshine recorders, April, 1894.*

Stations.	Instrument.	Percentage for each hour of local mean time ending with the respective hour.																		Monthly summary.	
		A. M.									P. M.									Instrumental record.	
		5	6	7	8	9	10	11	Noon.	1	2	3	4	5	6	7	8	Actual.	Possible.	Per cent of possible.	Personal estimate.
Baltimore, Md.	T.	37	48	61	68	78	81	85	87	83	68	67	64	50	35	.....	265.6	395.8	67	54	
Bismarck, N. Dak.	P.	21	32	39	48	51	51	49	37	53	52	57	59	40	30	.....	190.2	407.6	46	46	
Boston, Mass.	T.	39	43	55	58	65	70	62	56	58	53	50	42	36	28	.....	208.1	401.5	51	42	
Buffalo, N. Y.	T.	21	27	51	62	66	74	72	70	74	63	62	52	37	27	.....	223.2	402.3	56	47	
Chicago, Ill.	T.	58	55	54	68	78	81	71	68	62	57	45	33	.....	257.9	401.4	64	51			
Cincinnati, Ohio	P.	37	42	51	57	59	58	61	66	67	63	60	56	55	37	.....	222.3	396.8	56	50	
Cleveland, Ohio	P.	48	47	57	59	55	63	58	66	63	56	54	48	50	.....	230.1	400.8	57	47		
Colorado Springs, Colo.	T.	53	67	75	76	83	85	93	90	79	71	58	47	36	48	.....	277.6	396.5	70	61	
Columbus, Ohio	T.	39	32	49	58	64	70	82	84	76	69	59	61	46	48	.....	239.4	399.1	60	42	
Denver, Colo.	P.	60	70	72	71	75	77	79	82	76	70	56	52	49	48	.....	269.3	396.9	68	56	
Des Moines, Iowa	T.	46	47	52	56	59	56	56	62	74	73	56	53	42	26	21	.....	210.2	401.0	52	46
Detroit, Mich.	T.	31	41	51	55	65	72	64	73	60	57	50	45	41	44	.....	221.7	401.5	55	45	
Dodge City, Kans.	P.	49	61	67	78	87	84	74	79	85	88	82	79	57	44	.....	293.1	394.8	74	69	
Eastport, Me.	P.	21	34	34	39	42	51	53	46	43	45	49	51	48	49	35	.....	181.5	405.4	44	33
Galveston, Tex.	P.	24	31	55	64	63	68	70	76	77	68	62	52	45	16	.....	227.5	386.6	59	58	
Helena, Mont.	P.	45	33	39	51	59	66	72	66	67	71	63	71	59	65	64	34	247.6	408.6	68	49
Kansas City, Mo.	P.	33	48	58	60	63	66	66	68	69	70	71	67	52	35	.....	238.4	396.0	61	54	
Key West, Fla.	T.	75	82	86	85	90	95	98	97	100	94	91	89	78	.....	349.1	382.4	92	73		
Little Rock, Ark.	T.	48	53	57	61	74	83	86	80	80	77	68	61	55	55	.....	297.6	392.2	68	52	
Louisville, Ky.	T.	48	52	56	61	58	63	67	63	54	58	55	50	44	37	.....	219.6	396.8	55	44	
Memphis, Tenn.	P.	41	52	64	71	69	77	75	75	75	70	73	65	60	53	.....	262.8	391.4	67	66	
New Haven, Conn.	T.	25	37	52	61	66	75	78	74	69	69	58	57	35	37	.....	227.9	398.7	57	48	
New Orleans, La.	T.	13	21	47	76	75	83	84	87	81	78	69	65	53	25	.....	251.1	385.5	55	55	
New York, N. Y.	T.	27	38	52	62	67	73	77	71	72	76	64	53	35	22	.....	231.6	399.8	58	47	
Philadelphia, Pa.	T.	65	61	64	61	66	67	66	65	69	58	60	54	57	52	.....	217.0	396.6	62	50	
Portland, Me.	T.	33	43	57	67	73	77	76	72	71	67	59	49	36	15	.....	234.7	402.1	58	39	
Portland, Oreg.	P.	21	20	27	33	36	40	45	46	47	45	44	40	31	33	.....	148.4	405.7	37	33	
Rochester, N. Y.	T.	49	44	49	54	62	64	65	67	66	68	58	50	46	29	.....	223.5	397.0	56	51	
Saint Louis, Mo.	T.	47	50	59	69	72	67	71	71	74	69	67	64	41	30	.....	247.2	398.3	62	48	
Salt Lake City, Utah	T.	37	29	40	49	76	82	84	89	82	73	64	62	40	40	.....	242.8	390.5	62	60	
San Diego, Cal.	P.	14	20	55	72	80	87	85	90	92	94	94	89	80	61	.....	294.8	394.2	75	72	
San Francisco, Cal.	P.	63	71	86	91	92	91	84	84	82	80	75	71	59	55	.....	309.4	392.4	79	65	
Santa Fe, N. Mex.	P.	43	63	78	83	81	81	77	78	73	77	69	59	57	57	.....	284.7	389.7	73	57	
Savannah, Ga.	P.	67	79	90	91	88	92	89	92	92	91	90	87	77	65	.....	337.0	390.9	86	78	
Tucson, Ariz.	T.	48	47	52	64	78	78	89	86	89	81	77	62	51	36	.....	268.0	391.2	68	65	
Vicksburg, Miss.	T.	51	50	60	58	61	66	64	55	58	60	60	54	47	43	.....	226.2	397.3	57	56	
Washington, D. C.	P.	55	53	60	70	72	75	70	73	68	67	61	49	49	49	.....	246.4	391.9	63	64	
Wilmington, N. C.	T.	55	53	60	70	72	75	70	73	68	67	61	49	49	49	.....	246.4	391.9	63	64	

TABLE V.—*Mean temperature for each hour of seventy-fifth meridian time, April, 1894.*

Stations.	Mean																								
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.			
Abilene, Tex.	64.7	63.6	62.1	61.2	60.0	59.2	58.7	58.8	61.4	64.9	67.8	70.5	73.2	75.1	77.0	78.6	78.7	78.8	77.6	75.7	72.8	69.1	66.7	64.8	68.4
Albany, N. Y.	44.9	44.3	43.5	43.0	42.2	42.1	43.2	45.7	47.4	49.2	51.1	52.5	53.8	54.5	54.8	54.8	54.1	52.9	51.2	49.7	47.4	46.6	45.9	48.5	41.5
Alpena, Mich.	38.7	38.3	38.2	38.0	37.5	37.4	37.7	39.2	40.9	42.2	43.1	43.7	44.5	45.1	45.6	45.8	45.6	45.2	44.0	42.3	41.2	40.4	39.7	37.3	57.3
Amarillo, Tex.	53.6	52.5	51.2	50.6	49.8	49.0	48.0	47.9	49.3	52.7	55.6	58.4	61.1	63.5	64.9	66.5	64.4	62.1	59.4	57.3	55.4	53.7	57.3	54.4	61.9
Atlanta, Ga.	57.9	57.1	56.2	55.6	54.6	54.1	54.0	55.9	58.3	60.5	63.0	67.5	67.4	68.6	69.4	70.2	70.1	68.9	67.1	65.0	63.5	62.1	60.5	59.3	59.3
Augusta, Ga.	59.7	58.6	57.8	57.0	56.1	55.6	55.4	57.9	59.9	63.1	66.1	68.0	69.3	70.6	71.4	72.5	72.6	72.2	71.0	67.0	65.8	63.9	62.2	60.9	63.9
Baker City, Oreg.	42.1	40.9	39.8	38.8	38.0	37.3	36.5	39.0	36.1	38.1	40.1	44.0	46.7	49.1	50.5	51.5	52.6	52.3	51.3	49.4	46.9	44.6	43.3	44.1	44.1
Baltimore, Md.	48.8	48.0	47.2	45.7	46.0	45.0	46.8	49.2	50.8	52.7	54.2	55.9	57.1	57.7	59.7	57.1	56.3	54.8	53.7	52.8	51.3	50.3	49.4	49.4	52.0
Bismarck, N. Dak.	40.1	39.6	39.3	38.3	38.0	37.6	37.3	37.2	38.5	40.3	42.9	44.4	46.2	47.8	49.0	49.8	50.3	50.1	49.9	49.0	49.9	49.0	49.4	49.4	43.5
Boston, Mass.	43.8	43.6	43.4	42.9	42.4	42.5	43.4	45.5	47.1	48.2	49.0	49.3	49.9	50.3	50.1	49.9	50.0	48.9	48.0	47.1	46.2	45.7	45.0	44.6	40.5
Buffalo, N. Y.	42.8	42.2	42.1	41.8	41.6	41.2	41.9	43.6	44.3	45.0	46.2	47.3	48.0	48.6	48.3	47.9	47.7	46.7	45.6	45.0	44.5	44.1	43.9	44.9	44.9
Charleston, S. C.	61.4	60.8	60.4	59.9	59.2	58.7	59.3	61.7	63.9	66.0	67.7	70.1	70.0	69.7	66.0	68.8	65.3	63.6	63.0	62.5	62.1	64.2	64.2	64.2	64.2
Charlotte, N. C.	54.7	53.6	52.5	51.7	50.9	50.4	51.1	54.0	50.4	59.1	61.3	63.1	64.7	66.0	66.7	66.5	65.0	63.4	61.7	60.0	58.5	57.1	55.9	58.8	58.8
Cheyenne, Wyo.	39.4	38.2	36.7	35.7	35.1	34.4	33.9	34.1	38.8	43.4	46.2	48.8	50.3	51.7	53.2	53.5	53.7	52.6	51.0	47.7	44.7	42.4	40.6	44.1	44.1
Chicago, Ill.	45.3	45.0	45.1	44.9	44.4	44.3	44.4	45.1	46.2	47.4	48.2	49.0	49.6	49.4	49.6	49.8	49.1	47.6	47.0	46.7	46.6	46.5	46.9	46.9	46.9
Cincinnati, Ohio	51.9	51.1	50.1	49.5	48.8	48.2	48.0	48.9	51.6	53.7	55.7	57.1	58.1	59.6	60.6	61.0	60.9	60.4	59.8	58.4	57.3	55.7	54.4	53.3	54.7
Cleveland, Ohio	45.8	44.9	43.3	43.3	42.5	42.4	42.6	44.2	45.9	47.7	49.3	49.2	50.6	51.0	51.1	51.8	50.9	50.2	49.6	49.3	48.3	47.5	47.0	47.4	47.4
Colorado Spgs., Colo.	42.7	41.0	38.8	38.2	37.1	36.8	35.9	40.2	44.8	47.6	50.3	52.4	54.6	56.2	57.0	57.6	57.2	55.5	51.2	49.5	47.2	45.3	44.1	43.1	43.1
Columbus, Ohio	47.3	47.0	46.2	45.4	44.7	44.4	45.0	46.9	49.6	52.3	54.3	59.3	57.9	58.6	58.5	58.2	57.8	56.0	54.4	52.8	51.1	49.9	48.9	51.8	51.8
Denver, Colo.	48.1	46.5	44.1	42.7	41.7	41.0	40.0	45.0	40.7	50.9	54.1	57.8	59.0	60.4	61.6	60.8	59.6	57.1	54.8	52.7	50.5	51.3	50.5	50.5	50.5
Des Moines, Iowa	50.5	49.4	49.0	48.1	47.2	46.5	46.0	46.7	48.8	50.9	52.9	54.5	57.1	58.9	59.3	59.6	59.0	58.2	57.1	55.9	54.4	53.3	52.2	53.0	53.0
Detroit, Mich.	43.5	42.8	42.4	41.5	40.9	40.3	40.6	43.2	44.9	47.2	49.0	50.3	51.9	52.9	53.0	54.9	52.6	51.9	50.7	48.7	47.2	40.4	45.6	44.7	46.9
Dodge City, Kans.	51.7	50.8	49.3	48.3	46.7	45.9	45.3	46.5	50.9	55.1	57.9	63.3	66.8	68.6	70.0	70.9	71.2	70.5	68.2	63.8	59.7	57.0	54.8	53.3	57.8
Duluth, Minn.	35.9	36.0	35.7	35.7	35.5	35.1	35.5	35.5	36.4	37.2	38.2	39.8	39.3	39.7	39.6	39.3	39.8	39.2	38.7	38.0	38.2	37.4	37.1	37.4	37.4
Eastport, Me.	35.6	35.4	34.9	34.7	34.6	35.0	36.3	37.6	38.9	39.8	40.7	41.9	42.4	42.7	42.8	42.5	41.8	40.6	39.6	38.7	37.6	37.2	36.5	36.2	38.5
El Paso, Tex.	63.3	61.7	59.9	58.6	57.4	55.9	54.3	53.3	55.3	59.6	63.9	67.5	70.4	73.1	75.0	76.3	77.1	77.5	77.3	75.9	72.8	69.8	67.7	64.7	66.2
Fort Smith, Ark.	60.6	59.4	58.7	57.3	56.4	55.8	54.7	56.0	57.9	61.4	64.4	66.8	69.1	70.4	71.4	72.3	73.0	71.3	69.9	67.5	65.3	62.0	63.9	62.0	63.9
Galveston, Tex.	70.0	70.0	69.9	69.5	69.2	69.1	69.0	70.0	71.0	72.1	72.0	73.0	73.4	73.4	73.4	73.1	72.8	72.1	71.4	71.1	70.9	70.5	71.1	71.1	71.1
Grand Haven, Mich.	43.0	42.7	42.2	41.6	41.3	41.1	41.4	43.4	45.3	46.5	47.5	48.6	49.2	49.3	49.1	49.3	49.2	48.9	47.8	46.0	45.7	45.0	44.8	44.2	45.5
Havre, Mont.	42.3	41.6	40.7	39.6	38.0	37.9	37.0	36.8	39.4	43.2	46.6	51.1	53.4	54.7	55.3	56.5	56.9	56.3	54.9	51.5	47.4	45.2	43.9	46.6	46.6
Helena, Mont.	42.5	41.4	41.1	40.2	39.4	39.2	38.6	38.0	39.1	40.8	42.2	44.3	46.6	48.1	50.0	50.8	51.1	51.4	50.8	49.9	48.5	44.8	43.2	44.5	44.5
Huron, S. Dak.	42.0	41.1	40.5	40.1	39.4	39.3	39.1	40.6	43.3	46.2	49.1	51.5	53.3	54.9	56.4	57.1	56.4	55.0	52.6	50.3	47.0	45.0	43.6	47.5	47.5
Indianapolis, Ind.	50.2	49.4	48.8	47.6	47.4	46.5	46.5	48.7	51.5	55.1	57.7	59.8	60.7	61.4	62.0	62.0	61.7	60.7	58.9	57.1	55.4	54.0	53.3	51.7	54.3
Jacksonville, Fla.	63.8	63.4	62.8	61.9	61.2	60.6	61.9	65.1	68.2	70.9	72.5	74.6	75.2	75.4	75.0	74.1	71.9	70.9	68.2	66.0	65.3	64.7	65.1	68.1	68.1
Kansas City, Mo.	55.1	53.9	52.9	52.2	51.0	50.0	49.5	49.5	50.5	52.9	55.4	57.8	59.7	61.5	62.8	63.5	64.1	63.5	62.3	60.3	58.9	57.6	55.4	56.9	56.9
Key West, Fla.	73.9	73.8	73.6	73.5	73.4	73.3	73.7	73.8	74.3	75.8	78.1	79.4	79.9	79.7	79.6	79.2	78.5	77.2	75.5	75.0	75.0	74.5	74.3	76.2	76.2
Knoxville, Tenn.	54.9	54.0	53.3	52.5	51.9	50.9	51.0	52.7	54.7	57.5	59.8	61.4	62.3	63.2	64.4	65.1	65.9	66.4	66.2	65.3	64.1	63.0	62.0	61.5	61.5
Lander, Wyo.	38.8	37.6	35.5	35.7	33.7	32.7	32.4	33.2	36.4	41.5	45.7	48.1	51.4	53.0	53.7	54.6	55.6	54.7	54.1	52.0	47.6	45.1	44.0	44.0	44.0
Little Rock, Ark.	60.5	59.6	59.9	58.0	57.1	56.2	55.7	56.2	58.7	60.6	63.8	66.0	67.8	69.1	69.8	70.7	70.7	70.6	69.5	68.2	66.2	64.8	63.2	63.5	63.5
Louisville, Ky.	53.3	52.5	51.6	50.8	49.9	49.1	49.1	50.6	52.3	55.6	56.6	60.3	63.1	66.3	69.2	72.8	73.4	73.0	72.7	72.0	71.7	70.5	69.8	68.3	68.3
Lynchburg, Va.	50.9	50.0	49.3	48.7	48.0	47.7	48.4	51.6	54.4	56.5	59.0	60.2	62.0	63.0	63.8	64.0	63.3	62.3	61.0	60.3	58.5	56.5	54.9	53.0	55.8
Marquette, Mich.	37.4	37.4	37.0	36.6	36.2	36.6	37.2	38.8	40.1	41.8	43.0	44.5	46.4	47.4	48.4	49.4	49.7	49.0	48.7	48.0	47.0	46.0	45.4	45.4	45.4
Memphis, Tenn.	59.2	58.2	57.4	56.6	55.6	54.8	55.0	56.7	58.3	60.8	62.9	64.5	66.4	68.1	69.3	69.0	70.0	69.3	68.1	66.8	65.4	64.2	62.4	62.4	62.4
Milwaukee, Wis.	43.5	42.7	42.2	41.9	41.8	41.4	41.4	43.3	45.2	46.6	47.4	48.2	49.5	49.5	49.7	49.9	49.5	49.0	48.0	47.0	46.0	45.4	44.2	45.2	45.2
Montgomery, Ala.	61.7	60.9	60.2	59.3	58.5	57.7	57.8	59.7	62.3	65.4	68.4	70.7	73.0	74.8	75.7	76.2	74.4	72.2	69.8	67.5	65.5	64.2	63.5	63.5	63.5
Moorhead, Minn.	40.5	39.9	39.4	38.3	38.3	38.1	38.1	39.8	40.3	41.6	43.0	44.7	46.5	48.5	49.3	48.5	47.0	45.4	44.0	43.2	42.0	41.4	42.2	43.4	43.4
Nantucket, Mass.	40.8	40.7	40.4	40.5	41.5	42.6	43.6	43.6	44.0	45.0	47.4	47.7	49.4	49.4	49.7	49.7	49.0	48.0	47.4	46.9	46.0	45.9	45.4	45.4	45.4
Nashville, Tenn.	56.4	55.6	54.6	53.5	52.5	51.7	51.9	54.0	57.1	60.0	62.5	64.7	67.1	67.7	69.3	69.7	69.3	68.1	66.0	64.5	62.3	61.1	59.7	58.4	60.4
New Haven, Conn.	43.2	43.0	42.4	41.9																					

TABLE VI.—*Mean pressure for each hour of seventy-fifth meridian time, April, 1894.*

Stations.	75° M.												75° M.												Midnight.
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.			
Abilene, Tex.	.28.140	.142	.142	.146	.150	.153	.167	.182	.187	.196	.200	.194	.176	.155	.134	.110	.089	.083	.081	.091	.112	.131	.140	.140	.143
Albany, N. Y.	.29.943	.940	.940	.941	.946	.950	.968	.968	.968	.955	.954	.941	.929	.919	.913	.913	.917	.924	.935	.949	.958	.963	.962	.962	.945
Alpena, Mich.	.29.367	.365	.365	.368	.375	.383	.393	.397	.392	.390	.387	.383	.377	.370	.364	.357	.355	.359	.359	.365	.370	.375	.377	.378	.374
Atlanta, Ga.	.28.889	.886	.887	.888	.892	.903	.921	.930	.935	.942	.938	.926	.909	.890	.873	.859	.852	.854	.858	.867	.879	.888	.899	.890	.893
Augusta, Ga.	.29.891	.886	.886	.886	.889	.893	.918	.925	.926	.927	.919	.903	.886	.869	.844	.832	.825	.828	.833	.851	.870	.882	.888	.895	.882
Baltimore, Md.	.29.833	.830	.828	.830	.839	.852	.862	.870	.871	.868	.860	.847	.835	.824	.813	.808	.810	.814	.823	.837	.844	.845	.855	.856	.840
Bismarck, N. Dak.	.28.130	.128	.128	.125	.122	.121	.127	.129	.134	.133	.133	.126	.115	.110	.104	.098	.094	.100	.105	.112	.124	.130	.132	.121	
Boston, Mass.	.29.871	.867	.864	.866	.876	.886	.890	.894	.889	.883	.873	.866	.859	.854	.852	.857	.860	.875	.887	.891	.891	.896	.890	.876	
Buffalo, N. Y.	.29.286	.280	.278	.280	.286	.300	.312	.318	.320	.322	.320	.309	.300	.293	.288	.296	.290	.291	.299	.309	.310	.311	.308	.300	
Chicago, Ill.	.29.108	.104	.104	.107	.108	.115	.124	.135	.135	.137	.131	.125	.110	.109	.100	.100	.101	.101	.107	.117	.115	.115	.116		
Cincinnati, Ohio	.29.366	.362	.362	.362	.365	.378	.391	.398	.400	.401	.399	.387	.381	.369	.352	.344	.342	.345	.347	.352	.363	.371	.374	.370	
Cleveland, Ohio	.29.228	.226	.226	.230	.243	.255	.256	.255	.255	.252	.244	.237	.233	.224	.217	.219	.227	.231	.238	.242	.241	.241	.239	.237	
Colorado Spgs., Colo.	.23.975	.981	.979	.977	.978	.981	.995	.992	.996	.994	.994	.995	.994	.992	.991	.986	.994	.991	.997	.995	.995	.997	.995	.959	
Columbus, Ohio	.29.123	.115	.114	.112	.115	.125	.136	.142	.139	.142	.143	.131	.122	.111	.107	.105	.105	.115	.126	.131	.132	.134	.121		
Denver, Colo.	.24.710	.710	.705	.701	.701	.707	.712	.718	.717	.714	.712	.701	.685	.672	.666	.640	.644	.647	.660	.679	.696	.704	.690		
Des Moines, Iowa	.29.022	.023	.019	.018	.018	.023	.039	.050	.055	.054	.052	.049	.035	.025	.010	.009	.009	.009	.011	.010	.012	.012	.021		
Detroit, Mich.	.29.248	.244	.241	.242	.242	.253	.260	.262	.264	.263	.257	.255	.245	.239	.230	.229	.228	.227	.236	.245	.250	.257	.259	.247	
Dodge City, Kans.	.27.331	.330	.327	.325	.327	.328	.330	.347	.358	.357	.359	.350	.341	.340	.305	.291	.278	.268	.268	.277	.295	.308	.318	.318	
Duluth, Minn.	.29.254	.253	.249	.248	.250	.256	.265	.274	.272	.268	.263	.260	.255	.253	.247	.243	.240	.243	.244	.246	.252	.254	.252	.254	
Eastport, Me.	.29.891	.888	.888	.889	.890	.909	.918	.926	.929	.925	.913	.912	.900	.893	.888	.892	.899	.910	.917	.921	.921	.919	.915	.906	
El Paso, Tex.	.26.164	.167	.168	.167	.171	.177	.188	.202	.218	.225	.225	.221	.208	.188	.167	.143	.120	.107	.101	.102	.110	.129	.149	.166	
Galveston, Tex.	.29.992	.981	.986	.981	.981	.983	.994	.008	.016	.025	.031	.028	.018	.007	.003	.004	.004	.005	.005	.005	.005	.005	.005	.005	
Grand Haven, Mich.	.29.314	.316	.314	.314	.314	.319	.327	.333	.334	.333	.331	.330	.324	.318	.309	.298	.297	.296	.305	.309	.314	.318	.318		
Havre, Mont.	.27.287	.290	.288	.284	.280	.284	.284	.286	.289	.295	.300	.303	.300	.298	.280	.270	.260	.251	.251	.248	.254	.269	.282	.290	
Helena, Mont.	.25.816	.815	.815	.813	.812	.811	.812	.817	.824	.829	.834	.821	.821	.813	.799	.791	.785	.782	.786	.787	.791	.803	.814	.808	
Huron, S. Dak.	.28.526	.524	.522	.513	.519	.525	.531	.536	.536	.535	.531	.526	.518	.503	.497	.488	.480	.480	.477	.478	.480	.507	.513	.511	
Indianapolis, Ind.	.29.207	.203	.199	.199	.205	.213	.222	.222	.225	.235	.233	.225	.218	.206	.195	.184	.181	.183	.187	.192	.200	.205	.206	.207	
Jacksonville, Fla.	.30.049	.044	.039	.040	.045	.050	.074	.080	.083	.084	.079	.064	.046	.029	.013	.003	.015	.030	.044	.052	.055	.053	.045		
Kansas City, Mo.	.28.947	.945	.944	.945	.948	.954	.970	.978	.984	.988	.993	.991	.955	.953	.943	.937	.909	.905	.919	.926	.936	.940	.945		
Key West, Fla.	.30.073	.063	.054	.051	.050	.067	.085	.095	.102	.107	.101	.096	.084	.069	.053	.039	.030	.043	.037	.043	.057	.060	.077	.071	
Knoxville, Tenn.	.29.028	.022	.020	.020	.023	.031	.045	.053	.057	.053	.059	.046	.030	.019	.000	.008	.008	.008	.023	.030	.035	.032	.025		
Little Rock, Ark.	.29.700	.697	.690	.691	.696	.701	.724	.730	.741	.748	.749	.745	.725	.715	.692	.675	.653	.657	.662	.677	.694	.698	.700		
Louisville, Ky.	.29.468	.462	.462	.466	.472	.480	.497	.508	.511	.516	.513	.504	.490	.477	.461	.453	.449	.449	.450	.475	.471	.473	.476		
Lynchburg, Va.	.29.333	.334	.335	.337	.346	.358	.373	.374	.373	.369	.360	.359	.345	.340	.310	.292	.285	.285	.305	.320	.338	.341	.334		
Marquette, Mich.	.29.211	.207	.205	.204	.206	.212	.220	.224	.218	.222	.220	.222	.218	.213	.207	.202	.202	.202	.206	.214	.216	.215	.212		
Memphis, Tenn.	.29.692	.692	.692	.692	.700	.705	.720	.736	.746	.752	.751	.742	.721	.714	.693	.680	.673	.677	.681	.682	.696	.696	.703		
Milwaukee, Wis.	.29.262	.264	.268	.271	.276	.284	.294	.299	.299	.297	.297	.288	.279	.271	.261	.262	.258	.257	.260	.264	.263	.261	.275		
Moorehead, Minn.	.28.919	.920	.915	.910	.912	.914	.921	.915	.915	.915	.919	.921	.916	.908	.901	.897	.893	.893	.901	.909	.912	.909			
Nantucket, Mass.	.29.992	.986	.980	.977	.987	.997	.997	.007	.009	.011	.008	.008	.994	.988	.982	.983	.985	.991	.999	.003	.011	.013	.010	.008	
Nashville, Tenn.	.29.448	.445	.442	.447	.452	.464	.483	.491	.492	.498	.492	.485	.469	.449	.433	.423	.420	.420	.433	.448	.452	.455	.455		
New Haven, Conn.	.29.890	.884	.882	.883	.887	.899	.906	.905	.903	.898	.889	.880	.873	.864	.857	.857	.864	.864	.884	.900	.908	.908	.888		
New Orleans, La.	.30.004	.008	.001	.001	.003	.000	.015	.032	.041	.046	.049	.041	.030	.016	.001	.003	.003	.003	.008	.007	.005	.006	.005		
New York, N. Y.	.29.835	.830	.827	.826	.828	.834	.842	.844	.845	.846	.845	.839	.830	.822	.803	.805	.809	.813	.824	.840	.848	.854	.832		
Norfolk, Va.	.29.956	.957	.958	.954	.956	.954	.959	.959	.959	.952	.952	.950	.949	.945	.945	.947	.947	.949	.953	.955	.955	.955	.955		
Omaha, Neb.	.28.770	.769	.768	.770	.771	.773	.785	.792	.799	.793	.785	.779	.777	.773	.750	.746	.740	.730	.730	.747	.752	.757	.761		
Philadelphia, Pa.	.29.912	.906	.902	.901	.908	.920	.929	.935	.938	.937	.928	.918	.907	.898	.889	.886	.887	.893	.902	.915	.924	.934	.914		
Pike Peak, Colo.	.17.667	.672	.664	.652	.647	.643	.634	.645	.659	.672	.679	.686	.689	.688	.693	.694	.693	.694	.693	.692	.692	.691	.676		
Pittsburgh, Pa.	.29.173	.170	.167	.167	.169	.178	.188	.195	.196	.191	.187	.176	.166	.158	.147	.137	.138	.143	.148	.159	.170	.175	.178		
Portland, Oreg.	.29.973	.979	.986	.985	.983	.982	.981	.983	.985	.992	.996	.998	.991	.979	.990	.959	.957	.954	.944	.949	.964	.977	.975		
Rochester, N. Y.	.29.499	.496	.492	.495	.499	.509	.522	.526	.528</td																

TABLE VII.—Average wind movement for each hour of seventy-fifth meridian time, April, 1894.

Stations.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Mean.
Abilene, Tex.	9.6	10.1	10.2	9.9	9.5	9.3	9.3	9.7	11.1	13.9	15.9	16.3	15.7	14.8	14.0	14.0	14.6	13.9	13.2	10.6	10.0	9.1	9.8	12.1	
Albany, N. Y.	7.1	6.6	6.8	6.3	6.2	6.0	7.4	9.2	10.4	11.2	11.6	11.1	11.3	12.0	12.5	12.1	12.0	10.5	9.8	9.3	8.1	7.3	7.1	9.3	
Alpena, Mich.	8.9	9.0	9.2	8.7	8.3	8.5	8.2	8.9	10.3	11.1	12.7	13.1	13.6	13.6	13.6	13.4	11.6	10.3	8.4	8.2	8.3	8.2	8.2	10.3	
Amarillo, Tex.	18.6	18.7	18.8	18.9	17.7	17.2	15.8	16.3	18.2	19.1	18.0	18.5	18.9	19.8	20.7	20.8	21.1	18.6	18.2	18.3	18.3	18.7	18.3	18.7	
Atlanta, Ga.	10.1	9.8	9.5	9.5	9.8	10.1	9.5	10.0	10.8	11.2	11.8	11.7	11.8	11.9	12.7	12.9	12.7	11.2	9.1	10.1	10.6	10.3	10.4	10.8	
Atlantic City, N. J.	11.4	11.6	11.8	11.8	11.7	11.7	12.2	13.1	14.3	14.1	14.5	15.6	15.4	15.6	15.5	15.1	15.0	14.0	13.1	12.8	12.7	11.9	11.9	13.2	
Augusta, Ga.	4.0	4.8	4.6	5.0	4.3	3.6	4.1	4.8	5.7	7.2	8.2	9.7	10.5	10.0	10.4	10.5	10.0	9.1	7.5	5.3	5.5	5.4	5.4	6.7	
Baker City, Oreg.	4.5	4.4	4.9	4.8	4.7	5.6	5.1	4.9	6.0	5.6	5.6	4.7	5.6	6.1	6.7	7.9	7.6	7.9	7.1	6.1	5.1	4.8	5.9	5.9	
Baltimore, Md.	6.2	6.7	6.8	6.6	6.1	6.6	6.7	8.0	9.6	10.0	10.5	11.5	11.7	12.5	12.9	12.5	12.0	11.0	8.7	7.2	6.7	6.8	7.3	6.5	8.8
Bismarck, N. Dak.	12.7	12.7	12.2	11.7	11.8	12.1	11.9	12.2	12.8	14.0	15.4	15.8	16.6	17.7	18.4	18.0	17.6	17.3	15.8	14.4	12.7	12.6	12.7	14.2	
Block Island, R. I.	17.9	18.4	18.9	18.2	17.0	17.2	18.8	19.0	19.0	18.2	19.4	19.7	20.6	21.7	23.0	22.0	21.1	19.9	19.4	19.3	17.9	17.4	17.5	19.1	
Boston, Mass.	12.4	12.5	12.0	12.2	12.3	11.6	12.4	12.9	13.6	14.6	15.1	15.3	15.3	15.4	14.7	14.7	15.4	15.0	13.7	13.0	13.2	13.0	12.9	13.0	13.6
Buffalo, N. Y.	8.2	8.1	8.4	8.5	7.9	7.8	8.2	9.1	9.5	10.5	10.3	11.0	10.2	10.1	10.4	9.8	9.0	7.9	7.0	7.7	7.9	8.1	8.9	8.9	
Cairo, Ill.	7.3	7.0	7.2	7.1	6.8	7.3	7.6	7.9	9.2	9.9	10.3	11.1	11.2	11.8	12.6	12.7	12.4	11.9	10.7	9.0	8.2	7.5	7.4	9.3	
Cape Henry, Va.	12.7	12.7	13.3	13.6	13.7	13.8	14.9	15.1	16.5	16.3	16.2	16.8	16.4	16.2	15.2	14.6	13.4	13.8	14.4	13.5	13.0	12.6	14.6		
Charleston, S. C.	7.4	6.7	6.2	6.2	5.5	5.6	6.2	7.6	9.4	10.3	11.2	11.7	12.9	13.9	14.3	14.3	13.4	11.8	10.3	8.8	8.4	7.2	7.5	9.4	
Charlotte, N. C.	7.5	7.0	7.1	6.8	6.4	5.7	6.0	6.7	8.3	9.4	9.7	10.0	10.1	10.1	9.9	9.5	9.3	9.0	7.4	6.8	7.0	8.1	7.1	8.1	
Chattanooga, Tenn.	5.7	5.8	5.8	5.2	4.8	4.9	5.1	6.0	7.4	8.5	9.0	10.0	10.0	12.2	13.1	11.0	10.5	10.5	9.2	8.3	7.2	6.9	5.9	4.5	7.8
Cheyenne, Wyo.	10.5	10.0	9.7	10.1	10.6	10.7	11.3	11.0	13.7	17.5	17.2	17.4	18.8	18.9	19.9	19.6	19.8	18.1	15.5	11.9	11.6	14.5	11.6	14.5	
Chicago, Ill.	11.2	11.0	11.5	10.7	10.5	11.2	13.5	14.5	14.3	13.6	15.1	15.7	15.7	16.7	17.1	16.2	15.4	14.2	13.9	13.4	13.7	12.6	13.5		
Cincinnati, Ohio.	6.2	6.2	6.0	5.5	5.4	5.8	5.7	6.2	7.7	9.0	9.6	9.9	10.2	10.5	10.2	10.2	10.8	10.6	9.1	7.6	6.8	6.4	5.7	7.8	
Cleveland, Ohio.	9.9	10.6	10.2	10.5	10.3	10.0	10.6	11.3	11.3	12.3	12.5	12.4	12.4	12.5	13.3	12.9	11.6	10.0	9.3	9.3	9.4	9.3	10.9		
Colorado Springs, Colo.	8.0	8.1	9.1	8.7	8.7	8.6	8.9	8.8	9.0	11.5	13.7	17.0	19.1	19.5	17.7	17.5	17.0	15.6	12.2	9.6	8.7	8.5	12.2		
Columbia, Mo.	8.0	7.7	7.0	7.4	7.4	7.4	6.9	7.5	9.4	10.6	11.1	10.9	10.2	12.0	12.1	12.3	11.1	11.2	7.7	7.3	8.0	8.2	9.2	9.2	
Columbus, Ohio.	8.7	8.8	8.7	8.4	8.2	7.7	8.8	10.0	11.9	12.5	13.9	14.1	14.2	14.0	13.1	11.6	10.4	10.0	9.9	9.5	9.3	9.2	10.4		
Concordia, Kans.	8.1	9.4	8.3	8.4	8.5	8.2	8.6	8.7	10.2	11.2	12.5	12.5	13.3	13.4	13.8	13.7	14.1	14.0	13.4	10.8	8.4	8.0	8.4	10.6	
Corpus Christi, Tex.	14.8	14.4	13.5	13.0	13.1	12.3	12.6	11.9	11.7	14.2	14.7	15.7	16.7	17.7	18.9	19.5	19.8	19.8	18.6	18.4	17.6	17.5	16.0		
Davenport, Iowa.	10.0	9.9	9.6	9.1	8.7	9.5	9.8	11.2	12.7	12.8	13.3	13.3	13.3	14.4	14.5	13.6	14.6	13.2	10.0	9.5	9.5	10.0	11.3		
Denver, Colo.	8.2	7.3	7.8	7.3	6.9	6.9	6.8	7.0	7.0	6.9	7.9	10.0	9.8	11.2	12.3	12.3	12.3	12.0	11.5	10.2	9.0	9.2	9.1		
Des Moines, Iowa.	8.6	8.2	7.9	7.5	7.2	7.1	7.8	8.4	10.1	12.3	12.2	12.0	13.5	13.2	13.2	13.2	12.0	10.7	9.7	9.1	9.2	9.0	10.4		
Detroit, Mich.	9.3	9.2	9.1	8.9	8.8	8.2	8.7	9.4	9.7	10.6	11.4	11.9	12.7	13.6	12.4	11.6	10.2	10.5	11.6	10.7	9.4	9.1	9.5	10.2	
Dodge City, Kans.	13.2	13.4	13.1	12.7	11.5	10.6	9.9	9.5	11.5	14.5	16.6	17.5	18.3	18.4	19.7	19.6	19.6	18.9	16.6	12.8	12.2	13.5	14.9		
Dubuque, Iowa.	5.5	5.2	4.8	4.8	4.5	4.5	5.0	5.8	6.8	8.4	9.8	10.1	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2		
Duluth, Minn.	6.0	5.3	5.3	6.1	5.7	5.6	6.0	7.0	7.0	7.5	7.4	7.4	7.8	7.9	8.3	8.4	8.1	7.8	7.2	6.8	6.3	5.6	6.8		
Eastport, Me.	12.4	12.2	11.7	11.2	11.8	12.6	12.7	13.1	13.6	14.7	15.2	15.4	15.4	15.8	15.2	14.7	12.8	12.0	13.1	13.2	13.1	13.2	13.6		
El Paso, Tex.	11.0	12.0	11.1	11.3	11.5	10.5	10.4	11.0	10.1	11.2	11.1	11.8	12.7	14.0	14.1	14.9	15.3	15.4	15.7	14.0	12.0	7.8	10.1	10.0	11.9
Erie, Pa.	9.4	10.0	10.1	10.3	9.5	9.4	9.5	9.3	9.6	10.9	11.6	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2		
Eureka, Cal.	8.8	7.8	6.4	5.1	5.5	5.8	4.8	4.4	4.5	4.7	4.9	5.2	6.5	7.3	7.9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	
Fort Canby, Wash.	14.5	14.4	13.4	13.1	13.1	13.5	14.0	14.7	15.2	16.3	16.5	15.9	15.9	16.2	16.6	15.0	14.5	13.8	14.1	13.3	13.5	13.4	14.5		
Fort Smith, Ark.	6.2	6.4	7.0	7.0	6.8	6.9	9.0	9.0	9.0	9.7	10.2	10.2	10.2	10.2	10.2	9.9	10.6	10.7	10.3	7.2	6.7	8.1	8.1		
Fresno, Cal.	8.9	8.4	7.8	7.7	7.0	6.3	6.1	5.6	5.2	5.3	6.6	7.3	7.6	7.6	7.6	7.7	7.3	8.6	9.6	10.0	9.5	8.9	8.7	9.1	
Galveston, Tex.	11.6	10.9	10.7	10.8	10.4	10.0	10.1	10.5	11.1	11.9	12.3	12.7	13.6	13.1	13.3	13.1	13.0	12.6	11.4	11.9	12.4	12.9	11.9		
Grand Haven, Mich.	10.0	9.9	9.1	8.6	8.8	8.9	9.6	9.9	10.2	11.2	12.6	12.4	12.4	12.4	12.4	12.4	11.4	9.9	8.7	8.4	8.5	8.5	10.4		
Green Bay, Wis.	7.8	7.4	7.1	7.2	7.9	8.0	7.7	8.3	9.0	10.2	10.4	11.1	10.8	10.8	10.9	10.5	10.3	10.3	9.8	8.8	8.4	8.1	9.0		
Hannibal, Mo.	9.2	9.1	8.6	8.6	8.0	7.9	8.2	8.4	10.7	12.2	13.6	13.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	11.2		
Harrisburg, Pa.	6.9	6.0	5.6	5.4	5.2	5.4	6.1	7.6	8.5	9.0	9.3	9.8	10.1	10.2	10.5	10.8	10.2	9.2	9.0	8.1	8.0	7.8	7.5	8.1	
Hatteras, N. C.	14.0	14.4	14.6	13.9	13.5	14.5	15.3	15.5	15.7	15.4	15.4	16.6	17.1	17.1	17.1	17.1	14.6	14.0	13.8	13.4	13.4	13.4	14.8		
Havre, Mont.	6.6	7.6	7.9	8.0	8.0	7.8	7.7	8.2	8.2	9.2	9.2	10.5	13.8	14.0	14.8	15.2	15.8	15.2	14.8	14.1	13.6	13.6	13.6		
Helena, Mont.	9.6	10.1	9.6	9.3	8.6	8.5	7.0	8.1	9.																

TABLE VII.—Average wind movement, etc.—Continued.

Stations.	Wind Movement.												Wind Movement.												Mean.
	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.		
Omaha, Nebr.....	8.7	8.7	8.9	8.2	8.5	8.2	8.1	8.2	9.2	10.7	11.8	12.0	12.4	11.9	11.8	11.5	11.2	10.9	10.4	8.9	8.5	8.0	8.4	9.7	
Oswego, N. Y.....	8.2	8.7	8.9	8.9	9.3	9.6	9.2	10.3	10.4	11.1	11.4	11.6	11.7	11.6	11.1	11.4	11.3	10.3	9.4	9.0	9.2	9.1	8.9	10.0	
Palestine, Tex.....	6.7	6.1	6.2	6.1	5.9	6.1	5.9	6.7	6.7	7.7	9.0	8.8	10.1	10.3	10.0	9.7	9.1	7.4	6.2	6.7	7.1	6.8	7.6	6.1	
Parkersburg, W. Va.....	4.4	4.6	4.5	4.3	4.3	4.9	4.2	4.9	6.1	7.6	8.2	7.6	8.1	8.4	8.4	8.0	6.5	5.3	4.9	5.4	4.5	6.1	5.1	6.1	
Pensacola, Fla.....	8.4	8.0	7.4	7.5	7.6	8.3	8.5	8.4	9.2	10.7	11.8	12.1	11.9	12.8	13.1	13.4	12.9	11.0	9.3	8.3	8.1	8.4	8.1	9.9	
Philadelphia, Pa.....	10.1	9.8	9.9	9.6	9.3	9.5	10.2	11.5	12.7	12.9	14.0	13.6	13.8	14.3	15.1	14.6	14.5	13.2	12.6	12.3	12.4	12.4	12.1	10.9	12.1
Pierre, S. Dak.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pikes Peak, Colo.....	30.0	30.3	31.4	33.2	34.0	32.6	30.8	31.1	28.9	25.5	24.6	22.2	21.3	19.2	19.2	19.5	18.8	18.4	19.2	20.4	22.7	24.0	25.8	30.0	25.5
Pittsburg, Pa.....	5.9	5.2	5.5	5.2	4.8	5.4	5.5	5.7	6.7	7.5	7.9	8.4	9.0	9.0	8.5	7.7	7.1	6.5	6.0	5.9	5.6	6.1	6.0	6.0	6.0
Port Angeles, Wash.....	5.9	6.1	5.5	6.0	5.6	5.7	5.4	5.7	5.6	4.7	4.3	6.3	7.1	8.4	9.2	9.4	8.4	8.3	6.9	6.1	6.0	6.0	6.0	6.0	6.6
Port Huron, Mich.....	9.3	9.3	9.3	9.7	9.8	9.6	9.4	10.3	11.6	12.4	13.2	14.3	14.9	14.1	14.1	14.3	13.3	12.4	10.8	9.5	9.2	9.0	8.5	8.6	11.1
Portland, Me.....	8.1	8.4	8.1	8.2	8.3	7.8	8.1	9.6	10.8	11.4	11.8	11.7	11.6	12.3	11.8	11.4	10.8	9.8	8.5	7.6	7.3	7.9	7.6	9.5	9.1
Portland, Oreg.....	10.1	8.9	9.1	8.5	8.0	7.8	7.6	8.4	7.9	7.8	8.4	8.2	9.0	10.0	10.0	10.0	10.4	11.0	10.0	9.2	8.7	8.9	9.5	9.1	9.1
Pueblo, Colo.....	6.6	6.6	6.5	6.5	6.0	5.3	6.7	7.1	6.5	7.2	9.6	10.4	11.9	14.1	14.9	14.2	14.3	14.8	11.8	10.4	9.5	8.5	7.6	9.8	9.1
Raleigh, N. C.....	6.4	6.1	6.2	6.0	5.8	5.2	5.5	6.9	8.2	9.2	9.3	9.4	9.8	10.5	10.3	9.3	7.8	6.0	5.2	6.1	6.4	6.2	6.5	7.4	7.4
Rapid City, S. Dak.....	10.4	11.0	11.0	10.9	10.4	10.0	9.1	8.9	9.0	10.5	12.7	14.8	15.4	16.4	16.0	16.3	15.5	15.7	14.1	13.5	11.5	9.7	10.5	10.5	12.2
Red Bluff, Cal.....	7.8	8.1	7.1	7.2	7.0	7.4	7.7	7.6	7.2	7.9	8.8	10.5	10.5	10.5	10.8	10.9	10.8	10.3	10.1	9.1	9.0	8.4	8.9	8.0	8.0
Rochester, N. Y.....	6.4	6.2	6.0	5.9	6.3	6.0	5.9	6.7	7.8	8.6	8.9	9.4	9.3	9.6	9.9	9.7	8.0	6.4	5.9	6.1	6.0	6.1	7.3	7.3	7.3
Roseburg, Oreg.....	2.8	2.7	2.5	1.9	1.9	1.7	1.5	1.0	1.7	2.2	2.5	3.1	3.7	4.8	4.6	4.9	5.9	6.1	6.5	6.6	4.7	3.5	3.5	3.8	9.1
Sacramento, Cal.....	8.3	8.2	8.1	8.4	8.0	8.0	7.6	7.1	6.7	8.5	9.7	11.1	11.2	11.8	11.8	11.4	11.0	10.4	9.5	8.5	8.2	8.3	8.3	8.3	8.3
St. Louis, Mo.....	9.3	9.1	9.4	8.8	9.1	9.3	9.3	9.9	10.3	11.8	12.3	12.8	13.5	14.3	13.8	13.6	13.9	13.2	12.1	10.6	9.3	9.2	8.6	9.1	10.9
St. Paul, Minn.....	7.1	6.6	5.6	6.1	6.7	6.9	6.5	7.4	8.2	8.6	10.3	10.2	10.4	9.6	10.1	9.5	9.0	9.3	8.5	7.2	6.9	7.4	7.2	8.0	8.0
St. Vincent, Minn.....	8.2	8.6	8.6	8.7	8.7	8.8	8.6	8.9	9.9	11.1	11.8	11.7	11.8	12.2	12.2	12.3	12.9	12.4	11.8	10.3	8.8	8.6	8.4	8.0	10.2
Salt Lake City, Utah.....	4.5	4.5	4.7	4.1	4.4	4.0	4.2	4.7	5.0	5.1	6.7	7.3	8.9	10.9	11.4	12.4	11.5	9.8	8.8	7.8	5.1	4.4	4.6	6.9	6.9
San Antonio, Tex.....	7.9	7.6	7.2	5.7	6.0	5.8	5.4	5.5	6.0	6.1	6.8	8.1	8.9	9.4	9.1	10.0	10.6	10.9	10.8	10.6	10.5	9.9	9.3	8.3	8.3
San Diego, Cal.....	3.5	3.9	3.5	3.5	3.2	3.1	3.3	3.1	3.1	3.2	2.9	3.1	4.2	6.7	8.3	9.2	9.9	9.7	9.3	8.7	7.5	6.7	5.3	3.6	5.4
Sandusky, Ohio.....	8.3	7.3	7.5	7.7	7.1	6.3	6.9	7.4	7.9	8.1	8.4	8.5	9.2	9.6	10.1	9.6	9.0	9.4	8.7	8.3	8.0	7.7	7.5	8.2	8.2
San Francisco, Cal.....	9.7	9.2	8.5	8.5	7.9	7.5	6.6	6.7	7.4	8.2	8.3	8.6	9.1	11.1	13.6	15.9	17.9	19.5	20.0	21.4	19.7	16.8	13.1	10.8	11.9
Santa Fe, N. Mex.....	5.9	6.2	5.8	5.8	5.7	4.9	4.8	5.1	5.6	5.5	7.6	7.8	9.9	10.9	11.5	11.6	12.1	12.6	11.7	8.9	6.6	6.6	8.0	8.0	8.0
Sault Ste. Marie, Mich.....	7.2	6.9	6.6	7.4	7.1	6.8	6.3	7.3	7.7	8.7	10.2	10.5	11.2	12.0	12.3	12.5	12.4	10.8	10.3	9.5	8.7	7.4	6.9	8.9	8.9
Savannah, Ga.....	7.5	7.0	6.6	6.4	6.8	6.5	6.8	7.0	8.8	9.9	10.7	11.1	10.8	12.0	13.1	14.0	14.4	11.9	9.7	8.0	7.4	7.2	7.2	9.1	9.1
Seattle, Wash.....	6.8	6.5	6.3	6.6	6.8	6.4	6.4	5.8	6.2	6.0	6.5	6.9	7.7	8.6	9.1	9.7	8.7	8.0	7.3	6.9	6.0	7.3	7.3	7.3	8.0
Shreveport, La.....	6.8	6.4	5.3	6.0	6.1	6.8	7.7	6.3	7.0	8.3	9.0	9.5	10.3	10.3	9.8	9.7	10.2	9.7	8.0	7.5	7.5	7.5	7.5	7.5	8.0
Sioux City, Iowa.....	12.3	13.0	12.2	12.4	12.2	12.0	12.9	12.5	13.0	14.0	15.0	15.6	15.5	16.1	16.6	16.2	15.8	14.0	12.6	11.7	11.6	12.6	12.7	13.7	
Southport, N. C.....	9.4	9.4	9.3	9.6	9.0	8.8	9.2	10.5	12.1	12.8	13.7	14.8	16.0	15.9	15.6	14.4	11.5	10.7	9.4	8.2	8.7	7.4	7.4	11.6	
Spokane, Wash.....	7.2	7.0	7.5	7.4	8.2	8.3	7.7	7.0	7.3	7.4	7.5	7.8	9.0	9.3	10.0	10.5	10.1	10.5	9.6	8.5	7.5	6.8	7.2	8.3	8.3
Springfield, Ill.....	9.5	9.3	9.6	9.4	9.2	9.0	8.9	9.3	10.9	11.8	12.8	13.1	13.4	14.0	14.7	14.5	13.3	12.6	11.3	9.2	8.8	9.1	10.0	11.0	
Springfield, Mo.....	9.4	10.2	10.2	10.3	10.7	10.8	10.3	10.8	10.9	12.4	14.2	13.2	14.2	14.6	13.4	14.0	14.5	13.2	12.2	11.7	11.5	12.4	12.4	11.4	
Tampa, Fla.....	4.7	4.7	4.4	4.6	4.8	4.6	4.5	5.0	6.8	7.6	7.8	8.1	8.6	8.0	8.5	9.7	10.5	9.7	8.2	6.6	5.5	5.1	4.8	6.6	6.6
Tatooch Island, Wash.....	13.3	13.9	13.7	14.6	14.9	15.6	15.7	16.1	15.0	15.1	15.8	14.9	14.5	14.4	14.4	15.2	15.3	14.7	14.6	13.4	13.6	15.0	15.0	15.0	
Titusville, Fla.....	10.1	9.6	8.9	9.1	8.9	7.6	7.6	8.4	10.8	12.8	13.5	13.4	14.7	15.3	16.6	17.4	17.2	16.0	13.9	12.7	9.5	12.1	11.4	10.6	12.3
Toledo, Ohio.....	9.1	9.0	9.1	9.2	8.1	7.7	7.7	8.2	9.8	10.4	11.6	12.9	12.3	13.0	12.7	12.5	10.7	9.8	9.2	9.4	9.2	10.4	9.1	9.1	9.1
Tucson, Ariz.....	6.0	6.8	6.6	6.9	6.6	6.0	6.0	6.7	5.9	5.9	7.5	7.0	6.5	7.7	8.3	10.1	10.8	12.5	12.7	13.0	11.7	9.0	7.8	8.1	8.1
Valentine, Nebr.....	12.6	12.3	11.8	11.1	10.7	10.4	10.8	10.7	11.9	14.2	15.8	15.8	17.5	18.7	18.5	19.0	19.9	18.3	17.3	15.0	13.5	13.1	15.2	15.2	
Vicksburg, Miss.....	7.7	8.0	7.9	7.4	7.2	7.1	7.4	7.4	8.2	8.5	8.5	8.3	9.5	9.4	8.9	8.9	8.1	8.2	6.1	6.6	6.9	7.2	7.2	7.8	7.8
Vineyard Haven, Mass.....	12.4	12.6	12.4	12.4	12.5	12.6	13.0	13.9	14.0	14.4	14.5	14.4	14.4	14.3	14.4	14.5	13.2	11.6	11.7	11.8	12.6	12.9	13.0	13.3	
Walla Walla, Wash.....	6.7	6.3	6.7	6.8	7.2	6																			

TABLE VIII.—*Pervailing and resultant winds from self-registers for April, 1894.*

Number.	Station.	Prevailing wind.		Total movement.		Resultant direction.		Resultant movement.		Azimuth of movement minus direction.	Ratio of resultant movement to total movement.	
		Direction from.	Duration.	Monthly.	Hourly average.	Direction from.	Duration.	Average hourly velocity.	Direction from.			
(1)	(2)	(3) Hours.	(4) Miles.	(5) Miles.	(6)	(7) Hours.	(8) Miles.	(9)	(10) Miles.	(11) °	(12)	
1	Eastport, Me.	ne.	207	9,791	13.6	n. 14 e.	144	30.7	n. 32 e.	4,422	+ 18	0.452
2	Portland, Me.	n.	160	6,826	9.5	n. 46 w.	80	19.4	n. 4 e.	1,556	+ 50	0.228
4	Boston, Mass.	sw.	170	9,808	13.6	n. 72 w.	130	15.1	n. 26 w.	1,968	+ 46	0.201
5	Nantucket, Mass.	ne.	180	11,419	15.9	n. 34 w.	138	20.2	n. 33 e.	2,787	+ 67	0.234
6	New Haven, Conn.	s.	160	7,811	10.8	n. 84 w.	77	18.6	w.	1,431	- 6	0.183
10	Albany, N. Y.	n.	170	6,719	9.3	n. 36 w.	142	9.2	n. 16 w.	1,314	+ 20	0.196
11	New York, N. Y.	nw.	192	8,115	11.3	s. 72 w.	110	15.0	n. 56 w.	1,646	+ 52	0.203
13	Philadelphia, Pa.	nw.	145	8,745	12.1	n. 67 w.	153	15.0	n. 32 w.	2,303	+ 35	0.263
15	Baltimore, Md.	nw.	178	6,357	8.8	n. 87 w.	112	16.8	n. 56 w.	1,880	+ 31	0.296
16	Washington, D. C.	nw.	229	6,263	8.7	n. 80 w.	121	16.3	n. 60 w.	1,970	+ 20	0.314
17	Lynchburg, Va.	nw.	211	3,951	5.5	n. 74 w.	143	9.4	n. 73 w.	1,338	+ 1	0.339
18	Norfolk, Va.	nw.	116	7,264	10.1	s. 51 e.	13	82.9	s. 52 w.	1,078	- 179	0.148
24	Wilmington, N. C.	sw.	158	7,387	10.3	s. 46 w.	77	18.1	s. 42 w.	1,395	- 4	0.189
26	Augusta, Ga.	se.	141	4,831	6.7	s. 6 w.	116	7.6	s. 42 w.	886	+ 36	0.183
27	Savannah, Ga.	s.	206	6,517	9.1	s. 8 w.	213	8.7	s. 14 w.	1,849	+ 6	0.284
28	Jacksonville, Fla.	se.	168	5,684	7.9	s. 38 e.	160	9.0	s. 18 e.	1,446	+ 20	0.254
30	Key West, Fla.	e.	231	5,850	8.1	s. 61 e.	314	10.6	n. 68 e.	3,334	+ 7	0.570
33	Atlanta, Ga.	nw.	138	7,800	10.8	s. 63 w.	119	15.0	s. 77 w.	1,787	+ 14	0.229
34	Vicksburg, Miss.	se.	153	5,623	7.8	s. 39 e.	192	8.6	s. 26 e.	1,660	+ 13	0.295
39	New Orleans, La.	se.	198	5,935	8.2	s. 42 e.	305	7.9	s. 44 e.	2,402	- 2	0.405
42	Little Rock, Ark.	s.	142	5,669	7.9	s. 39 e.	158	5.9	s. 36 e.	931	+ 3	0.164
44	Galveston, Tex.	se.	298	5,573	11.9	s. 31 e.	446	12.4	s. 35 e.	5,520	- 4	0.644
45	Knoxville, Tenn.	ne.	174	8,054	5.6	n. 27 w.	164	7.1	n. 75 w.	1,167	- 48	0.288
49	Memphis, Tenn.	se.	139	5,798	8.1	s. 22 e.	147	7.4	s. 10 e.	1,092	+ 12	0.188
50	Nashville, Tenn.	se.	146	4,267	5.9	s. 52 e.	29	16.1	s. 44 w.	467	+ 96	0.109
52	Louisville, Ky.	sw.	151	6,008	8.3	s. 4 w.	77	12.2	s. 40 w.	938	+ 36	0.156
53	Indianapolis, Ind.	nw.	119	5,943	7.0	s. 49 w.	40	13.3	s. 20 w.	611	- 29	0.121
54	Cincinnati, Ohio.	sw.	117	5,039	7.8	s. 43 w.	25	33.4	s. 89 w.	835	+ 46	0.148
55	Columbus, Ohio.	nw.	111	7,523	10.4	n. 8 e.	65	13.9	n. 68 w.	902	- 76	0.120
56	Pittsburg, Pa.	nw.	166	4,928	6.8	s. 38 w.	112	8.2	n. 74 w.	915	- 36	0.186
58	Buffalo, N. Y.	sw.	159	6,423	8.9	n. 88 w.	139	13.0	n. 89 w.	1,814	- 1	0.282
60	Rochester, N. Y.	sw.	207	5,248	7.3	s. 51 w.	147	10.8	s. 63 w.	1,593	+ 12	0.302
62	Cleveland, Ohio.	se.	172	7,847	10.9	n. 22 w.	64	4.8	s. 66 w.	308	- 92	0.039
64	Toledo, Ohio.	e.	207	7,505	10.4	n. 43 e.	95	4.8	n. 77 e.	452	+ 34	0.060
65	Detroit, Mich.	ne.	157	7,362	10.2	n. 51 e.	100	1.9	s. 70 e.	186	+ 59	0.025
66	Alpena, Mich.	se.	208	7,450	10.3	n. 80 e.	125	14.3	s. 88 e.	1,788	+ 12	0.240
67	Grand Haven, Mich.	e.	191	7,510	10.4	s. 86 e.	187	5.4	s. 42 e.	1,013	+ 12	0.135
68	Marquette, Mich.	ne.	151	7,108	9.9	n. 27 e.	171	3.5	s. 45 e.	597	+ 108	0.084
70	Sault Ste. Marie, Mich.	se.	272	6,427	8.9	s. 42 e.	91	14.4	s. 42 e.	1,314	0	0.264
71	Chicago, Ill.	ne.	190	9,739	13.5	s. 71 e.	148	20.1	s. 45 e.	2,973	+ 23	0.305
72	Milwaukee, Wis.	ne.	163	7,143	9.9	n. 81 e.	216	8.8	s. 81 e.	1,899	+ 18	0.266
74	Duluth, Minn.	ne.	343	4,872	6.8	n. 49 e.	478	7.5	n. 42 e.	3,576	- 7	0.734
75	Moorhead, Minn.	n.	178	8,708	12.1	n. 53 e.	73	16.8	s. 82 e.	1,227	+ 45	0.141
77	Bismarck, N. Dak.	se.	198	10,245	14.2	n. 50 e.	152	16.4	n. 39 e.	2,488	- 30	0.243
79	Saint Paul, Minn.	se.	228	5,738	8.0	s. 81 e.	146	5.0	s. 58 e.	725	+ 23	0.126
81	Davenport, Iowa.	e.	161	8,114	11.3	s. 40 e.	115	8.5	s. 5 w.	980	+ 45	0.121
82	Des Moines, Iowa.	se.	169	7,476	10.4	s. 39 e.	101	12.1	s. 9 e.	1,223	+ 30	0.164
83	Saint Louis, Mo.	se.	193	7,873	10.9	s. 18 e.	193	12.5	s. 16 w.	2,414	+ 34	0.307
90	Kansas City, Mo.	se.	172	7,153	9.9	s. 42 e.	165	9.1	s. 7 e.	1,498	+ 35	0.209
92	Omaha, Nebr.	se.	245	6,998	9.7	s. 70 e.	115	9.7	s. 45 e.	1,112	+ 25	0.159
96	Huron, S. Dak.	se.	242	11,989	16.6	s. 76 e.	56	13.7	s. 55 e.	766	+ 27	0.064
98	Havre, Mont.	sw.	197	7,629	10.6	n. 85 w.	315	11.5	n. 87 w.	3,626	- 2	0.475
100	Helena, Mont.	s.	241	7,087	9.8	s. 24 w.	483	10.6	s. 25 w.	5,097	+ 1	0.719
106	Colorado Springs, Colo.	l.	288	8,755	12.2	n. 13 e.	144	11.6	n. 8 w.	1,673	- 21	0.191
107	Denver, Colo.	s.	151	6,502	9.1	s. 65 w.	106	9.3	n. 78 w.	985	+ 37	0.150
108	Pikes Peak, Colo.	w.	183	18,394	25.5	n. 84 w.	288	32.7	s. 86 w.	9,495	- 10	0.511
111	Dodge City, Kans.	se.	226	10,093	14.9	s. 48 e.	73	26.1	s. 35 e.	1,987	+ 13	0.186
114	Abilene, Tex.	se.	215	8,685	12.1	s. 18 e.	286	13.2	s. 14 e.	3,814	+ 4	0.439
116	El Paso, Tex.	nw.	309	8,599	11.9	n. 62 w.	409	14.8	n. 64 w.	6,034	- 2	0.702
117	Santa Fe, N. Mex.	nw.	162	5,791	8.0	n. 51 w.	72	20.2	n. 75 w.	1,456	- 25	0.251
119	Yuma, Ariz.	w.	170	6,012	8.4	w.	258	12.9	n. 79 w.	3,319	+ 11	0.552
122	Salt Lake City, Utah.	nw.	247	4,958	6.9	n. 43 w.	133	16.0	n. 57 w.	2,041	- 14	0.412
125	Spokane, Wash.	sw.	257	5,995	8.3	s. 13 w.	436	10.3	s. 22 w.	4,479	+ 9	0.747
130	Seattle, Wash.	se.	175	4,057	7.3	s. 36 e.	202	9.8	s. 33 e.	1,932	+ 3	0.488
132	Portland, Oregon.	nw.	175	6,534	9.1	n. 86 w.	224	11.8	s. 73 w.	2,616	- 21	0.405
133	Roseburg, Oregon.	nw.	198	2,701	3.8	n. 56 w.	187	6.0	n. 60 w.	1,120	- 4	0.415
137	San Francisco, Cal.	sw.	495	8,533	11.9	s. 48 w.	539	13.3	s. 46 w.	7,124	- 2	0.835
140	San Diego, Cal.	sw.	160	3,874	5.4	w.	316	7.3	w.	2,308	0	0.596

TABLE IX.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during April, 1894.*

**Blank page retained for pagination**